Ryan G. Anderson, Ph.D.

Curriculum Vitae

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EDUCATION

Ph.D. **Virginia Polytechnic Institute and State University, Blacksburg, VA**
Career and Technical Education (Emphasis Agricultural Education)
Dissertation: Attitudes of Outstanding Virginia Agricultural Education Teachers Toward Mathematics Integration, May 2007

M.S. **Texas A&M University-Commerce, Commerce, TX**
Master of Science, Agricultural Education,
Thesis: Agricultural science teachers' attitudes toward and adoption of information technology. August 2003

B.S. **Illinois State University, Normal, IL**
Bachelors of Science, Agricultural Education, August 2000

EXPERIENCE

2019-Present **Texas State University, San Marcos, TX.**
Department of Agricultural Science
- *Associate Professor, Agricultural Education & Mechanics (2024-Present)*
- *Assistant Professor, Agricultural Education & Mechanics (2019-2024)*
- *Agricultural Mechanics Association Advisor*
- *Collegiate FFA Advisor*
- *75% Teaching, 25% Research*

2017-2019 **Sauk Valley Community College, Dixon, IL.**
Department of Agriculture
- *Professor, Agriculture*
- *Agriculture Club Advisor*

2010-2017 **Iowa State University, Ames, IA.**
Department of Agricultural Education and Studies
- *Assistant Professor, Agricultural Education*
- *Agricultural Education/Collegiate FFA Advisor*
- *Director of Undergraduate Education Programs (2011-2016)*
- *Graduate Admissions and Recruitment Committee Member*
- *Teacher Education and Teacher Placement Committee Member*

- *70% Teaching, 30% Research*

2006-2010 **Murray State University, Murray, KY.**
School of Agriculture
- *Assistant Professor, Agricultural Systems Management*
- *Agricultural Engineering Technology club advisor*
- *Collegiate FFA advisor*
- *Racer Girls Dance Team advisor*
- *Research Policy Committee member*

2003-2006 **Virginia Polytechnic Institute and State University, Blacksburg, VA.**
Department of Agricultural Extension and Education
- *Graduate Teaching Assistant*
- *Teach undergraduate and graduate courses*
- *Supervise student teacher*

2005 **Virginia Polytechnic Institute and State University, Blacksburg, VA.**
Department of Crop, Soil, and Environmental Science
- *Field and Laboratory Assistant*
- *Research instrument designer*

2004-2005 **Virginia Governor's School for Agriculture, Blacksburg, VA.**
- *Plant Science Group Leader*
- *Supervise four independent group research projects*

2003 **Texas A&M University-Commerce, Commerce, TX.**
- Department of Agricultural Science
- *Graduate Research Assistant*
- *Graduate Teaching Assistant*
- *Technical assistant for distance education students*

2001-2002 **A-C Central Community Unit School District, Ashland, IL.**
- *Agricultural Education Instructor*
- *FFA Advisor (100% Membership, 12 CDE teams)*
- *FFA Alumni Advisor*
- *Supervised Agricultural Experience Supervisor (7 sections winners)*
- *Livestock Judging Invitational Supervisor*

2001 **Virginia Community Unit School District, Virginia, IL**
- *Head Junior Varsity Football coach (5-4)*
- *Head Freshman Football coach (4-4)*
- *Assistant Varsity Football Coach (6-4)*
- *(A-C Central Coop with Virginia)*

2000- 2001 **Aledo Community Unit School District, Aledo, IL**

- *Agricultural Education Instructor*
- *Co-FFA Advisor (100% Membership, 9 CDE teams)*
- *Supervised Agricultural Experience Co- Advisor (5 section winners)*
- *Assistant Freshman Football Coach (7-2)*
- *Assistant Varsity Football Coach (6-4)*
- *Assistant Junior Varsity Baseball Coach (12-18)*
- *Senior Class Sponsor*

2000 **Eureka Community Unit School District, Eureka, IL**

- *Agricultural Education Student Teacher*
- *FFA student advisor (100% Membership, 10 CDE teams)*

1999-2000 **Metamora Township High School, Metamora, IL**

- *Assistant Freshman Football Coach (8-1)*
- *Assistant Varsity Football Coach (13-1, State Runners-up)*
- *Assistant Varsity Baseball Coach (25-12)*

PROFESSIONAL CERTIFICATIONS

Teacher License, Agriculture Endorsement, Grades 6-12
State of Illinois, Number 1697977 (Expired)
Certificate Endorsements:

- Agriculture Business & Management
- Agriculture Power & Machinery
- Horticulture
- Agricultural Resources

American Welding Society-Welding Certification
Gas Metal Arc Welding-

- 1G, Flat Groove
- 1F, Flat Fillet
- 2F, Horizontal Fillet

Stihl Two-Cycle Engine- Bronze Certification

Texas State University Scholarship and Teaching Excellence Program (STEP) Certificate

The Council SAE for All Training

Curriculum for Agricultural Science Education (CASE) Certifications

- Foundations (2021)
- Agricultural Business Foundations (2021)
- Small Gas Engines (2024)
- Technical Applications in Agriculture (2023)

- Agricultural Power & Technology (2026)

TEACHING EXPERIENCE

Texas State University

Course Instructor: Courses taught from Fall 2019 to Present

Course Number	Course Title	Type of Preparation	No. of Semesters	No. of Credits	No. of Students	Total SCH
AG 2374	Metal Fabrication	New	4	3	110	330
AG 3310	Ag Power Machinery	New	2	3	48	144
AG 3353	Ag Structures	New	3	3	47	141
AG 4113	Summer Exp in Ag Ed	New	1	1	4	4
AG 4185	Current Problems	New	9	2	32	64
AG 4212	Program Planning	New	1	2	5	10
AG 4311	Instructional Methods	New	6	3	110	330
AG 4343	Org. & Lab Mgt.	New	5	3	86	258
AG 4361	Ag. Electricity	New	3	3	90	270
AG 4681	Ag. Student Teaching	New	6	6	32	192
AG 5100	Professional Development	New	3	1	23	23
AG 5350	Ethics & Leadership	New	2	3	24	72
AG 5351	Grant Development	New	1	3	3	9
AG 5370	Teaching Ag. Mech. in Secondary Settings	New	1	3	5	15

Sauk Valley Community College

Course Instructor: Courses taught from Fall 2017 to Summer 2019

Course Number	Course Title	Type of Preparation	No. of Semesters	No. of Credits	No. of Students	Total SCH
AGR 102	Intro to Ag Econ	New	2	4	18	72
AGR 109	Soil Science	New	2	4	21	84
AGR 116	Intro to Animal Science	New	1	4	5	20
AGR 130	Intro to Ag Mech	New	1	4	5	20
AGR 150	Intro to Ag Bus Mgt	New	2	4	15	60
AGR 155	Intro to Ag Marketing	New	1	3	3	9
AGR 160	Agricultural Sales	New	1	4	5	20
AGR 199	Intro to Ag Issues	New	1	3	5	15
AGR 201	Plant Science	New	2	4	27	116
IND 250	Industrial Internship	New	1	3	1	3
WLD 106	Intro to Welding	New	1	2	4	8

Iowa State University

Course Instructor: Courses taught from Fall 2010 to Spring 2017

Course Number	Course Title	Type of Preparation	No. of Semesters	No. of Credits	No. of Students	Total SCH
AGEDS 311	Presentation & Sales Strategies for Agricultural Audiences	Restructured	7	3	169	507
AGEDS 388	Agricultural Mechanics Applications	New	5	3	92	276
AGEDS 417	Supervised Teaching in Agricultural Education	Existing Materials	7	12	13	156
AGEDS 488	Methods of Teaching Agricultural Mechanics	Redesigned	14	3	186	558
AGEDS 490[a]	Independent Study in Agricultural Education	New	9[b]	Variable	26	68
AGEDS 499	Undergraduate Research	New	2	Variable	2	11
AGEDS 533	Introduction to Learning Theory in Agricultural Education	New	6	3	172	516
AGEDS 590[a]	Special Topics in Ag Education	New	10[b]	Variable	36	96
AGEDS 593	Workshop in Ag Education	New	9[b]	1-3	23	49
AGEDS 599	Creative Component	New	12	Variable	24	64
AGEDS 617	Professional Internship in Ag Education	New	2	Variable	3	3
AGEDS 699	Research	New	6	Variable	8	21

NOTE: [a]- Includes all sub-sections of the course; [b]- Includes summer session

Murray State University

Course Instructor: Courses taught from Fall 2006 to Spring 2010

AGR 170	Intro to Ag Systems Management (3 sections)	Fall 2006-Spring 2010
AGR 372	Metal Fabrication	Fall 2006- Spring 2010
AGR 379	Field Equipment Management (Online)	Fall 2007- Spring 2011
AGR 570	Ag Systems Technology Lab Management	Fall 2007, Fall 2009
AGR 573	Agricultural Processing	Fall 2009
AGR 575	Combines and Grain Handling	Fall 2008
AGR 578	Research and Development of Ag. Equipment	Summer 2007-2009
AGR 534	Types and Systems of Agribusiness	Summer 2007
AGR 672	Advanced Metal Working	Spring 2009- Spring 2010
AED 687	Teaching Agricultural Mechanics	Summer 2007-2010
AGR 576	Electrification Systems in Agriculture	Spring 2010

AGR 676	Advanced Electricity in Agriculture	Spring 2010

Virginia Polytechnic Institute and State University

Course Instructor: Courses taught from Spring 2004 to Fall 2005

AT 0124	Agricultural Machinery and Mechanics	Spring 2004
ALS 4884	Youth Program Management	Fall 2005

Course Graduate Teaching Assistant: Courses from Fall 2003-Spring 2006

AEE 4034	Methods in Planning Education Programs in Agricultural Education	Fall 2003-2004
AEE/BSE 3084	Agricultural Metal Fabrication	Fall 2003-2004
AEE 5104	Research Applications in AEE	Fall 2003
ALS 5034	Teaching Agricultural Mechanics	Fall 2003
AT 0384	Agricultural Buildings	Spring 2004-2005
AEE 4964	Field Study	Spring 2004-2005
AEE 4244	Methods of Teaching Career and Occ. Education	Spring 2004-2006
AEE/BSE 3074.	Procedures in Agricultural Construction	Spring 2005
AEE 4754	Internship in Agricultural Education	Spring 2005-2006

Texas A&M-Commerce University

Course Teaching Assistant: Courses from Fall 2002 to Spring 2003

AMC 315	Agricultural Systems Technology Management	Fall 2002
AGED 572	Special Populations	Spring 2003
AMC 497	Special Topics: Teaching Agricultural Mechanics	Summer 2003

Secondary Courses Taught: Aledo & A-C Central High School (Fall 2000 to Spring 2002)

Agricultural Business Operations I & II
Agricultural Construction and Technology I & II
Basic Agricultural Science I & II
Introduction to Agriculture I & II
Natural Resources Conservation & Management I & II
Resource Utilization & Conservation I & II
Agricultural Mechanics and Technology
Biological Science Applied to Agriculture
Agricultural Machinery Service I & II
Horticulture Production and Management I & II

PROFESSIONAL SERVICES

Arizona FFA Association

Judge	State Agricultural Mechanics Career Development Event	Spring 2015

Illinois FFA Association

Ex Officio	District I Agricultural Sales CDE	Fall 2018
Judge	Section III Agricultural Mechanics CDE	Spring 2018
Judge	Section II Job Interview CDE	Spring 2018
Ex Officio	District I Agricultural Sales CDE	Fall 2017
Judge	State Proficiency Award	Spring 1999
Judge	Section V Parliamentary procedure CDE	Fall 1999
Judge	Section V Proficiency Award	Spring 2000
Judge	District I Proficiency Award	Spring 2000
Judge	Section IV Proficiency Award	Spring 2001
Judge	District I Proficiency Award	Spring 2001
Judge	State Proficiency Award	Spring 2001
Facilitator	State Agricultural Mechanics CDE	Spring 2001
Judge	Section XII Proficiency Award	Spring 2002
Judge	District III Proficiency Award	Spring 2002
Judge	State Proficiency Award	Spring 2002

Iowa FFA Association

Coordinator	State Agricultural Mechanics Career Development Event	Spring 2016
Coordinator	Iowa State University Welding Invitational	Spring 2016
Coordinator	State Agricultural Mechanics Career Development Event	Spring 2015
Coordinator	State Agricultural Mechanics Career Development Event	Spring 2014
Coordinator	State Agricultural Mechanics Career Development Event	Spring 2013
Judge	Iowa State Fair Agricultural Mechanics- Welding	Fall 2012
Coordinator	State Agricultural Mechanics Career Development Event	Spring 2012
Judge	State Agricultural Mechanics Career Development Event	Spring 2011
Judge	Southeast District Welding Contest Judge	Spring 2011

Kentucky FFA Association

Facilitator	MSU Field Day Hippology Career Development Event	Spring 2010
Judge/ Facilitator	Region I & II Welding Career Development Event	Fall 2009
Facilitator	Racer Round-up Leadership Conference	Fall 2009
Judge	State Small Engines Career Development Event	Fall 2009
Facilitator	Region I & II Tool Identification CDE	Spring 2009

Facilitator	MSU Field Day Hippology Career Development Event	Spring 2009
Judge/ Facilitator	Region I & II Welding Career Development Event	Fall 2008
Judge	State Small Engines Career Development Event	Fall 2008
Facilitator	MSU Field Day Hippology Career Development Event	Spring 2008
Judge/ Facilitator	Region I & II Welding Career Development Event	Fall 2007
Facilitator	Racer Round-up Leadership Conference	Fall 2007
Judge	State Small Engines Career Development Event	Fall 2007
Facilitator	Region I & II Tool Identification CDE	Spring 2006
Judge	State Agricultural Mechanics CDE	Fall 2006
Judge	State Small Engines Career Development Event	Fall 2006
Judge	State Agricultural Communications CDE	Fall 2006
Judge	Region I & II Welding Career Development Event	Fall 2006
Facilitator	Racer Round-up Leadership Conference	Fall 2006

National FFA Association

Judge	National Agricultural Mechanics Career Development Event	Fall 2025
Judge	National Agricultural Mechanics Career Development Event	Fall 2024
Judge	National Agricultural Mechanics Career Development Event	Fall 2023
Judge	National Agricultural Mechanics Career Development Event	Fall 2019
Judge	National Agricultural Mechanics Career Development Event	Fall 2018
Judge	National Agricultural Mechanics Career Development Event	Fall 2016
Judge	National Agricultural Mechanics Career Development Event	Fall 2015
Judge	National Agricultural Mechanics Career Development Event	Fall 2014
Judge	National Agricultural Mechanics Career Development Event	Fall 2013
Judge	National Agricultural Mechanics Career Development Event	Fall 2012
Judge	National Agricultural Mechanics Career Development Event	Fall 2011
Judge	National Agricultural Mechanics Career Development Event	Fall 2010
Judge	National Agricultural Mechanics Career Development Event	Fall 2009
Judge	National Agricultural Mechanics Career Development Event	Fall 2008
Judge	National Agricultural Mechanics Career Development Event	Fall 2007
Judge	Agricultural Mechanics Proficiency Award	Fall 2006
Judge	National Agricultural Mechanics Career Development Event	Fall 2006
Judge	National Agricultural Mechanics Career Development Event	Fall 2005
Judge	Fruit Production Proficiency Award	Fall 2005
Committee Member	National Agricultural Mechanics Committee	2004-2009

Texas FFA Association

Co-Coordinator	Texas High School Welding Series GMAW event	Spring 2026
Judge	Blinn College Jr. Ag. Mech Show	Spring 2026
Co-Coordinator	Texas FFA State Agricultural Mechanics CDE	Spring 2026
Contest coordinator	Comal ISD welding certification day	Spring 2026
Co-Coordinator	Area VII Agricultural Mechanics CDE	Spring 2026
Co-Coordinator	Area VII Applied Engineering CDE	Spring 2026

Judge	Austin Livestock Show & Rodeo Jr. Agriscience Fair	Spring 2026
Judge	Houston Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2026
Lead Judge	Austin Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2026
Superintendent	San Antonio Livestock Show Jr. Ag. Mechanics Show	Spring 2026
Judge	Area VII Applied Engineering CDE	Spring 2025
Judge	Austin Livestock Show & Rodeo Jr. Agriscience Fair	Spring 2025
Judge	Houston Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2025
Lead Judge	Austin Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2025
Superintendent	San Antonio Livestock Show Jr. Ag. Mechanics Show	Spring 2025
Co-coordinator	Texas High School Welding Series SMAW event	Fall 2025
Co-coordinator	Texas High School Welding Series GMAW event	Spring 2024
Judge	Blinn College Jr. Ag. Mech Show	Spring 2024
Judge	Area VII Applied Engineering CDE	Spring 2024
Judge	Austin Livestock Show & Rodeo Jr. Agriscience Fair	Spring 2024
Lead Judge	Austin Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2024
Superintendent	San Antonio Livestock Show Jr. Ag. Mechanics Show	Spring 2024
Co-coordinator	Texas High School Welding Series SMAW event	Fall 2023
Judge	River District (Area 7) LDE	Fall 2023
Judge	Dripping Springs FFA Officer Interview Panel	Spring 2023
Co-coordinator	Texas High School Welding Series GMAW event	Spring 2023
Judge	Area VII Applied Engineering CDE	Spring 2023
Co-coordinator	Area VII Agricultural Mechanics CDE	Spring 2023
Judge	Houston Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2023
Lead Judge	Austin Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2023
Core Judge	San Antonio Livestock Show Jr. Ag. Mechanics Show	Spring 2023
Co-coordinator	Texas High School Welding Series SMAW event	Fall 2022
Judge	Alamo District Leadership Development Event (Skills)	Fall 2022
Co-coordinator	Texas High School Welding Series GMAW event	Spring 2022
Judge	Texas State ATMS CDE	Spring 2022
Judge	Texas State Applied Engineering CDE	Spring 2022
Co-coordinator	Area VII Agricultural Mechanics CDE	Spring 2022
Lead Judge	Houston Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2022
Core Judge	San Antonio Livestock Show Jr. Ag. Mechanics Show	Spring 2022
Co-coordinator	Texas High School Welding Series SMAW event	Fall 2021
Judge	Alamo District Leadership Development Event (PR)	Fall 2021
Judge	Texas State ATMS CDE	Spring 2021
Co-coordinator	Area VII Agricultural Mechanics CDE	Spring 2021
Judge	Houston Livestock Show & Rodeo Jr. Ag. Mech Show	Spring 2021
Judge	San Antonio Livestock Show Jr. Ag. Mechanics Show	Spring 2021
Judge	Guadalupe County Fair- Jr. Agricultural Mechanics Show	Spring 2021
Judge	Texas State Agricultural Issues CDE	Fall 2020
Judge	Texas Area 12 Leadership Development Event (Radio)	Fall 2020
Judge	Alamo District Leadership Development Event (PR)	Fall 2020
Committee member	State Agricultural Mechanics committee	2020-2021
Judge	San Antonio Livestock Show Jr. Ag. Mechanics Show	Spring 2020

Judge	Guadalupe County Fair- Jr. Agricultural Mechanics Show	Spring 2020
Committee member	State Agricultural Mechanics committee	2019-2020
Judge	Regional Agricultural Mechanics CDE	Spring 2003
Committee member	State Agricultural Mechanics committee	Spring 2003

Virginia FFA Association

Ex Officio	Senior Agricultural Mechanics CDE	Spring 2008
Ex Officio	Junior Agricultural Mechanics CDE	Spring 2008
Ex Officio	Senior Agricultural Mechanics CDE	Spring 2007
Ex Officio	Junior Agricultural Mechanics CDE	Spring 2007
Ex Officio	Senior Agricultural Mechanics CDE	Spring 2006
Ex Officio	Junior Agricultural Mechanics CDE	Spring 2006
Judge	Tractor Driving Contest	Spring 2006
Facilitator	AES Leadership Conference	Fall 2005
Ex Officio	Small Engines CDE	Fall 2005
Judge	Middle School Agricultural Mechanics CDE	Spring 2005
Ex Officio	Senior Agricultural Mechanics CDE	Spring 2005
Ex Officio	Junior Agricultural Mechanics CDE	Spring 2005
Facilitator	AES Leadership Conference	Fall 2004
Ex Officio	Senior Agricultural Mechanics CDE	Spring 2004
Ex Officio	Junior Agricultural Mechanics CDE	Spring 2004
Judge	Tractor Driving Career Development Event	Fall 2003
Judge	Tractor Troubleshooting CDE	Fall 2003
Facilitator	AES Leadership Conference	Fall 2003

Texas State University

University Committees

- Experiential, Career, and Community Engaged Learning (EXC^{2}EL) Center Advisory Board (2023-Present)
- Division of Research Principal Investigator Council (2023-Present)
- Teacher Education Council (2023-Present)
- Graduate Council (2026)

Department Committees

- Graduate Program Coordinator (2026-Present)
- Program and Student Outcome Assessments Coordinator: Agricultural Sciences (2026-present)
- Industry Relations and Internship Coordinator (CIM/CSM) Search Committee (2026)
- Personnel Committee (2024-Present)
- Assistant Professor of Instruction (Agricultural Education and/or Mechanics) - Committee Chair (2025)
- Agricultural Mechanics Lecturer- Screening Committee (2024)
- Agricultural Mechanics Senior Lecturer- Screening Committee (2019-2020)
- Texas State University CDE Invitational- Coordinator (2019-Present)

        - Milk Quality CDE Coordinator (2025-Present)
    - Meat & Greet (2019-Present)
    - Outreach Committee (2020-2026)
    - Bobcat Days (2019, 2021, 2023)
    - Bobcat Welcome (2022, 2023, 2024, 2025)
    - Curriculum Committee (2023-Present)
    - Promotion & Tenure Procedure Review Committee (2023)

Student Organizations

- Collegiate FFA (2019-Present)
    - CFFA Leadership Development Invitational (2019, 21-25)
    - CFFA Virtual Leadership Development Invitational (2020, 2021)
    - CFFA Livestock Judging Contest (2022, 2023, 2024, 2025, 2026)
    - Bobcat Classic (11/2019, 1/2023, 12/2023)

- Agricultural Mechanics Association (2019-Present)
    - SMAW Welding Workshop (2021, 2023, 2024)
    - GMAW Welding Workshop (2022, 2023, 2025)
    - Applied Agricultural Engineering CDE Clinic (2025, 2026)
    - University Judges Assistants- Austin, Blinn, Houston, & San Antonio
    - Texas State University Agricultural Mechanics Show (2022-2026)

Sauk Valley Community College

College Committees

- Prairie Grass Committee
- Institutional Research Board Committee
- Faculty Development
- Multicraft Faculty Screening Committee (2017)
- Active Classroom Committee

Iowa State University

College Committees

- Academic Affairs (2011-2012)
- Recruitment Committee (2010- 2017)

Department Committees

- Teacher Education and Teacher Placement (2010-2017)
- Graduate Admissions and Recruitment (2010-2017)
- Curriculum and Undergraduate Recruitment (2012-2017)
- AGEDS Governance Document Committee Chair (2015-2016)
- Department Chair Evaluation (2012-2015)
- Assistant Professor- Screening Committee (2010)
- Agricultural Education/ Rural Sociology Exploratory Committee (2012)

Professional Organizations Service

American Association of Agricultural Educators (AAAE)

- Board of Directors (2023-2024)
- Paper Reviewer (2009-2025)
- Poster Reviewer (2009-2023)
- Program Improvement Committee (North Central 2012-2015, Western 2021-2024 & 2025-2027)
    - Vice Chair 2013-2014
    - Chair 2014-2015
- Member Service Committee (2015-2017 & 2025-2028)
- Professional Development Committee (2018-2020 & 2020-2024)
- National Research Conference Poster Chair (2014)
- Conference Planning Committee (2015, 2022)
- National Research Chair (2022)
- Poster Review and Submission Manager (2024-2027)
- Agricultural Mechanics Special Interest Member
    - SIG Chair (2012, 2015, 2016)
    - Assistant Chair (2013, 2014)
    - Coordinate Agricultural Mechanics Grant Writing Weekend (2011 & 2012)
    - Coordinate 2020 Agricultural Mechanics Professional Development Workshop at AAAE Conference (Canceled Due to COVID-19)

American Association of Agricultural Educators (AAAE) North Central Region

- Research Paper Session Co-Chair (2011)
- Poster Reviewer (2010, 2014, 2017)
- Paper Reviewer (2015, 2016, 2017, 2018)
- Poster Session Chair (2014)
- Program Improvement Committee Vice Chair (2012-2013)
- Program Improvement Committee Chair (2013-2014)
- Member Services Committee (2015-2017)
- Professional Development Committee (2018-2020)
- Conference Planning Committee (2014)
- Session Discussant (2017)

American Association of Agricultural Educators (AAAE) Southern Region

- Facilitator
- Paper Reviewer (2010, 2011, 2012, 2013, 2014, 2015, 2023, 2024)
- Poster Reviewer (2010, 2011, 2012, 2014, 2015, 2016, 2018, 2019, 2020, 2021, 2022, 2023, 2024)
- Paper Judge (2011)
- Poster Judge (2011)
- Session discussant (2011, 2026)

American Association of Agricultural Educators (AAAE) Western Region

- Paper Reviewer (2010, 2011, 2013, 2014, 2019)
- Poster Reviewer (2010, 2011, 2012, 2013, 2014, 2018, 2019, 2020, 2021, 2022, 2023)
- Program Improvement Committee (2022-2024)
- Program Improvement Committee Chair (2022-2023)
- Conference Planning Chair/Host (2025/2026)
- Professional Development Committee (2026-2028)

Association for Career and Technical Education Research

- Conference Host (2026)
- Paper Reviewer (2011, 2012, 2013, 2014, 2015, 2025)
- Conference Co-Chair (2015)
- Conference Chair (2016)
- Conference Planning Committee (2022-2023)
- Session Discussant (2024, 2025)
- President Elect (2025), President (2026), Past President (2027)

Career and Technical Education Research Journal

- Manuscript Reviewer (2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2022, 2023, 2025, 2026)
- Editorial Board (2017-2021, 2021-2024, 2025-2028)
    - Co-Chair (2022-2023)

Equipment & Engine Training Council (EETC)

- EETC Technician Certification Test administrator

Harbor Freight Tools for Schools

- Tools for Schools- Second Round Judge (2017 & 2020)

IGI Global

- Chapter Reviewer (2024)

Irrigation Association Agriculture Faculty Academy

- Planning Committee (2019)

James F. Lincoln Arc Welding Foundation

- Division I & II Judge (2021-2025)

Journal of Agricultural Education

- Manuscript Reviewer (2012, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026)
- Editorial Board (North Central Rep 2015-2019) (Western Rep 2021-2024)
- Editorial Board Chair (2023-2024)

Journal of Agricultural Systems and Technology Management
- Manuscript Reviewer (2012, 2014, 2015, 2022, 2024)
- Editor (2024-Present)

Journal of Human Sciences and Extension
- Manuscript Reviewer (2022, 2023, 2024)

Journal of Research in Technical Careers
- Manuscript Reviewer (2018, 2021, 2023, 2025, 2026)

La Vernia Arts & Crafts Show
- Senior Division Judge (2023)

National Association of Agricultural Educators
- Agricultural Mechanics Community of Practice facilitator (2011-2014)

National Agricultural Mechanics Professional Development Seminar and Blue Ribbon Posters
- Paper Reviewer (2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2016)
- Poster Reviewer (2016, 2017, 2018, 2019)
- Abstract Reviewer (2020, 2021, 2022, 2023, 2024, 2025)
- Poster Committee member
- Conference Chair (2014, 2015)

National Council for Agricultural Education
- National Quality Program Standards Classroom/Facilities Working Group (2024-2025)

National Science Foundation
- Innovative Technology Experiences for Students and Teachers Proposal Reviewer (2024)

National Sciences Education
- Manuscript Reviewer (2024)

Rodeo Austin
- Gala participant (2022)
- Agricultural Mechanics Lead Judge (2023, 2024, 2025)
- Agriscience Fair Judge (2024, 2025)

San Antonio Livestock Show & Rodeo
- Judge (2020)
- Lead Judge (2021)
- Core Judge (2022-2023)
- Advisory Committee (2022-Present)
- Superintendent (2023-Present)

- Ag Mech Build-Off Assistant (2025)

San Marcos Independent School District
- Career & Technical Education Advisory Board (2022-2023)

San Marcos Sights & Sounds of Christmas Festival
- Stage Assistant (2019)

Sauk Valley Chamber of Commerce Agribusiness Committee
- Committee member (2017-2019)

South Dakota State University
- Agricultural Studies program review (2015)

The CTE Journal
- Manuscript Reviewer (2024)

Texas High School Welding Series
- Rising Star of Texas SMAW Host (2021, 2022, 2023, 2024 & 2025)
- Hornet Hive Welding Callout Education Representative (2021 & 2022)
- Rising Star of Texas GMAW Host (2022, 2023, 2024, 2025, & 2026)
- Instructor's Seminar & Workshop (2022)

United State Department of Agriculture
- National Institute of Food and Agriculture (PD-STEP) Peer Reviewer (2017)
- National Institute of Food and Agriculture (REEU) Peer Reviewer (2026)

PROFESSIONAL ORGANIZATIONS AND OFFICES

Agricultural Education Society 2003-2006

Alpha Tau Alpha 2003-Present
- National President 2011-2013
- National President-Elect 2010-2011
- National Vice President 2008-2010

American Association for Agricultural Educators (Life Member) 2005-Present
- North-Central Region Program Improvement Committee (2011-2014)
    - Vice-Chair 2012-2013
    - Chair 2013-2014
- North-Central Region Member Services Committee (2014-2016)
- North-Central Region Professional Development Committee (2018-2020)
- National AAAE Agricultural Mechanics Special Interest Group (SIG) Chair
- National Program Improvement Committee
    - Vice-Chair 2013-2014
    - Chair 2014-2015
- Western Region Program Improvement Committee (2021-2024)

- Chair 2022-2023

American Farm Bureau 1994-Present
- Lee County Governmental Affairs Committee (2018-2019)

American Welding Society 2023-Present

Arbor Day Society 2018- Present

Association for Career and Technical Educators 2000-Present

Association for Career and Technical Education Research 2007-Present
- Research Conference Chair (2016)
- President Elect (2025)

Association for International Agricultural and Extension Education 2015-2017

Consortium of Collegiate Agricultural Organization Board of Directors 2009-2012
- Ag Day Collegiate Leadership Summit Director (2009-2011)

Eastern Educators Research Association 2005-2010

Equipment & Engine Training Council 2015-2017

FarmHouse International Fraternity Alumni 2000-Present

Gamma Sigma Delta 2011-2017
- Vice-President/President Elect, 2014-2015
- President, 2015-2016
- Advisor, 2016-2017

Illinois Association of Community College Agriculture Instructors 2017-Present
- Agricultural Education/Agricultural Mechanics Curriculum Chair (2018-2020)

Illinois Association of Vocational Agriculture Teachers 2017-2019
- Professional Development Committee

Illinois Farm Bureau Association 2017-2019

Iowa Association of Agricultural Educators 2010-2016

Iowa Farm Bureau Association 2013-2016

National Association of Agricultural Educators (Life member) 2000-Present

National Association for Research in Science Teaching 2015-2016

North American College Teachers of Agriculture (Life member) 2010-Present

Omicron Tau Theta 2003-Present
- Secretary, 2005-06

Texas Farm Bureau 2020-Present

The Academy for Career and Technical Teacher Education 2010-Present

Vocational Association of Texas Agriculture Teachers 2019-Present

PROFESSIONAL MEETINGS

NATIONAL

2026	American Association for Agricultural Education- St. Petersburg, FL.
2025	Association for Career and Technical Educators – Nashville, TN.
2025	National Association of Agricultural Educators Convention– Nashville, TN.
2025	The Council's Annual Agricultural Education Summit– Nashville, TN.
2025	Association for Career and Technical Educators Research – Nashville, TN.
2025	National FFA Convention- Indianapolis, IN.
2025	American Association for Agricultural Education- Lubbock, TX.
2024	Association for Career and Technical Educators – San Antonio, TX.
2024	National Association of Agricultural Educators Convention– San Antonio, TX.
2024	The Council's Annual Agricultural Education Summit– San Antonio, TX.
2024	Association for Career and Technical Educators Research – San Antonio, TX.
2024	National FFA Convention- Indianapolis, IN.
2024	American Association for Agricultural Education- Manhattan, KS.
2024	USDA Project Directors Meeting- Kansas City, Mo.
2024	Commodity Classic- Houston, TX.
2023	Irrigation Show and Education Week- San Antonio, TX.
2023	National FFA Convention- Indianapolis, IN.
2023	USDA NIFA FY23 HSI Project Director’s meeting- Austin, TX.
2023	American Association for Agricultural Education- Raleigh, N.C.
2023	USDA Grant Support Technical Assistance Workshop- Virtual

2022	Association for Career and Technical Educators – Las Vegas
2022	National Association of Agricultural Educators Convention– Las Vegas
2022	Association for Career and Technical Educators Research – Las Vegas
2022	American Association for Agricultural Education- Oklahoma City, OK.
2022	National Science Foundation Virtual Grant Conference
2021	Association for Career and Technical Educators – New Orleans
2021	National Association of Agricultural Educators Convention– New Orleans
2021	Association for Career and Technical Educators Research – New Orleans
2021	USDA NIFA FY21 HSI Project Director's meeting- Virtual
2021	Non Land-Grant Agriculture and Renewable Resource Universities (NARRU) Annual Meeting- Virtual
2021	USDA HSI Federal Resource Symposium- Virtual
2021	American Association for Agricultural Education- Virtual
2020	North American College Teachers of Agriculture Conference- Virtual
2020	American Association for Agricultural Education- Virtual
2020	CASE Elite Elevation Program- Online
2019	National FFA Convention- Indianapolis, IN. Judge
2019	American Association for Agricultural Education- Des Moines, IA. Presenter
2018	National Association of Agricultural Educators Convention– San Antonio, TX.
2018	Sustainable Agriculture Summit, Denver, CO.
2018	National FFA Convention- Indianapolis, IN. Judge
2018	World Dairy Expo, Madison, WI.
2018	North American College Teachers of Agriculture Conference- Ames, IA.
2018	American Association for Agricultural Education- Charleston, S.C. Presenter

2017	American Association for Agricultural Education. San Luis Obispo, CA. Presenter
2016	Association for Career and Technical Educators – Las Vegas, NV. - Presenter
2016	National FFA Convention- Indianapolis, IN. Judge
2016	NACTA-Honolulu, HI. Presenter
2016	American Association for Agricultural Education. Kansas City, MO. Presenter
2016	International Team Based Learning Conference- Albuquerque, NM.- Presenter
2015	Association for Career and Technical Educators – New Orleans, LA. - Presenter
2015	National FFA Convention- Louisville, KY. Judge
2015	Best Practices & Innovations in CTE Conference. Phoenix, AZ. Presenter
2015	American Association for Agricultural Education. San Antonio, TX. Presenter
2015	Association for International Agricultural and Extension Education. The Netherlands
2015	National Association for Research in Science Teaching. Chicago, IL. Presenter
2014	Association for Career and Technical Educators – Nashville, TN. - Presenter
2014	National FFA Convention- Louisville, KY. Judge
2014	NACTA-Bozeman, MT. Presenter
2014	American Association for Agricultural Education, Salt Lake City, UT.
2013	Association for Career and Technical Educators – Las Vegas, NV. - Presenter
2013	American Association for Agricultural Education, Columbus OH.
2013	National FFA Convention- Louisville, KY. Judge
2012	Association for Career and Technical Educators – Atlanta, GA. - Presenter
2012	National FFA Convention- Indianapolis, IN. Judge
2012	American Association for Agricultural Education, Asheville, N.C.
2011	Association for Career and Technical Educators – St. Louis, MO. - **Presenter**

2011	National Association of Agricultural Educators Convention– St. Louis, MO.
2011	National FFA Convention- Indianapolis, IN. **Judge**
2011	American Association for Agricultural Education, Coeur D'Alene ID.
2011	National Science Foundation Regional Grants Conference, Nashville TN.
2011	U.S.D.A. Grantsmanship conference, Washington, D.C.
2011	Ag Day Collegiate Leadership Summit- **Facilitator**
2010	Association for Career and Technical Educators – Las Vegas, NV. - **Presenter**
2010	National FFA Convention- Indianapolis, IN. **Judge**
2010	American Association for Agricultural Education, Omaha, NE.
2010	Ag Day Collegiate Leadership Summit- **Facilitator**
2009	National FFA Convention- Indianapolis, IN. **Judge**
2008	National FFA Convention- Indianapolis, IN. **Presenter & Judge**
2008	American Association for Agricultural Education, Reno, NV. - **Presenter**
2007	Association for Career and Technical Educators – Las Vegas, NV. - **Presenter**
2007	National FFA Convention- Indianapolis, IN. **Presenter & Judge**
2007	NACTA-Champaign, IL. - **Presenter**
2007	OMEGA Conference- Indianapolis, IN. - **Presenter**
2006	National FFA Convention- Indianapolis, IN. **Judge**
2006	OMEGA Conference- Indianapolis, IN.
2006	American Association for Agricultural Education, Charlotte, NC. - **Chair**
2005	National FFA Convention- Louisville Ky. **Judge**
2005	American Association For Agricultural Education- San Antonio, TX. - **Presenter**
2005	Association for Career and Technical Educators (ACTE) National Policy Seminar- Washington, DC. **Advocate**

2004	National FFA Convention- Louisville, KY. **Judge**
2003	National FFA Convention- Louisville, KY. **Judge**
2001	National FFA Convention- Louisville, KY. **Judge**

REGIONAL

2026	Southern Agricultural Education Research Conference, Louisville, KY.
2025	Western Agricultural Education Research Conference, San Marcos, TX.
2025	Southern Agricultural Education Research Conference, Irving, TX.
2024	Western Agricultural Education Research Conference, Chico, CA.
2023	Western Agricultural Education Research Conference, Logan, UT.
2022	Western Agricultural Education Research Conference, Las Cruces, NM.
2021	Western Agricultural Education Research Conference, Bozeman, MT.
2020	Region II National Association of Agricultural Educators Conference- Virtual
2019	Western Agricultural Education Research Conference, Anchorage, AK.
2018	North Central Agricultural Education Research Conference, Fargo, ND
2017	North Central Agricultural Education Research Conference, Ames, IA
2016	North Central Agricultural Education Research Conference, Lafayette, IN.
2016	Southern Agricultural Education Research Conference, San Antonio, TX.
2015	North Central Agricultural Education Research Conference, Minneapolis, MN.
2014	North Central Agricultural Education Research Conference, Morgantown, WV.
2014	Western Agricultural Education Research Conference, Keno, HI.
2013	North Central Agricultural Education Research Conference, Platteville, WI.
2012	North Central Agricultural Education Research Conference, Champaign, IL.
201	National Association of Agricultural Educators Region Convention- Ankeny, IA.

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2011	North Central Agricultural Education Research Conference, University Park, PA.
2011	Southern Agricultural Education Research Conference, Corpus Christi, TX.
2010	North Central Agricultural Education Research Conference, Manhattan, KS.
2010	Southern Agricultural Education Research Conference, Orlando, FL.
2010	Eastern Educational Research Association Conference, Savannah, GA.
2009	Southern Agricultural Education Research Conference, Atlanta, GA.
2008	Southern Agricultural Education Research Conference, Dallas, TX.
2007	Southern Agricultural Education Research Conference, Biloxi, MS.
2007	Eastern Educational Research Association Conference, Clearwater, FL.
2006	Southern Agricultural Education Research Conference, Orlando, FL.
2006	Eastern Educational Research Association Conference, Hilton Head, SC.
2005	Southern Agricultural Education Research Conference, Little Rock, AK.

STATE

2026	Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi
2026	Texas FFA Convention- Fort Worth, TX.
2026	California Agricultural Teachers Association Conference- San Luis Obispo CA.
2025	Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi
2025	Texas FFA Convention- Fort Worth, TX.
2025	Agricultural Consortium of Texas Meeting- Kingsville, TX.
2024	Texas Association of Vocation Agriculture Teachers Conference- Dallas, TX.
2024	Texas FFA Convention- Houston, TX.

2023	Texas Association of Vocation Agriculture Teachers Conference- Dallas, TX.
2023	Texas FFA Convention- Dallas, TX.
2022	Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi
2022	Texas FFA Convention- Fort Worth, TX.
2022	Agricultural Consortium of Texas Meeting- Abilene, TX.
2021	Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi
2021	Texas FFA Convention- Fort Worth, TX.
2020	Texas Association of Vocation Agriculture Teachers Conference- Virtual
2019	Small Producers Conference- San Marcos, TX.
2019	Texas Association of Vocation Agriculture Teachers Conference- Corpus Christi
2019	Illinois Association of Vocation Agriculture Teachers Conference- Decatur
2019	Illinois FFA Convention- Springfield, IL.
2018	IACCAI Annual Conference, Mattoon, IL
2018	Illinois Association of Vocation Agriculture Teachers Conference- Bloomington
2018	Illinois FFA Convention- Springfield, IL.
2017	IACCAI Annual Conference, Salem, IL.
2017	Illinois Association of Vocation Agriculture Teachers Conference- Bloomington
2017	Illinois FFA Convention- Springfield, IL.
2016	Iowa FFA Convention- Ames, IA.
2015	Iowa Association of Agricultural teachers Conference- Ankeny, IA.
2015	Iowa Career & Technical Education Conference- Ankeny, IA.
2015	Iowa FFA Convention- Ames, IA.
2014	Iowa Association of Agricultural teachers Conference- Ankeny, IA.

2014	Iowa FFA Convention- Ames, IA.
2013	Iowa Association of Agricultural teachers Conference- Ankeny, IA.
2013	Iowa Career & Technical Education Conference- Ankeny, IA.
2013	Iowa FFA Convention- Ames, IA.
2012	Iowa Association of Agricultural teachers Conference- Ankeny, IA.
2012	Iowa FFA Convention- Ames, IA.
2011	Iowa Association of Agricultural teachers Conference- Ankeny, IA.
2011	Iowa FFA Convention- Des Moines, IA.
2010	Iowa Association of Agricultural teachers Conference- Ames/Ankeny, IA.
2007	Kentucky FFA Convention- Louisville, KY.
2007	Virginia FFA Convention- Blacksburg, VA.
2006	Virginia FFA Convention- Blacksburg, VA. **Honorary State Degree Recipient**
2005	Virginia FFA Convention- Blacksburg, VA.
2004	Virginia FFA Convention- Blacksburg, VA.
2002	Illinois FFA Convention- Springfield, IL.
2002	Illinois Association of Vocation Agriculture Teachers Conference- Decatur, IL.
2001	Illinois FFA Convention- Springfield, IL.
2001	Illinois Association of Vocation Agriculture Teachers Conference- Decatur, IL.
2000	Illinois FFA Convention- Springfield, IL.
2000	Illinois Association of Vocation Agriculture Teachers Conference- Mt. Vernon, IL.
1999	Illinois Association of Vocation Agriculture Student Teachers Conference- Decatur, IL.
1999	Illinois Association of Vocation Agriculture Pre-service Teachers Workshop- Bloomington, IL. - **Chairman**
1998	Illinois Association of Vocation Agriculture Student Teachers Conference- Decatur, IL.

INDUSTRY PROFESSIONAL DEVELOPMENT WORKSHOPS

Lincoln Electric Train the Trainer	San Marcos, TX.	2025
Briggs and Stratton Small Engine School	San Marcos, TX.	2025
Briggs and Stratton Fuel Injection School	San Marcos, TX.	2024
Lincoln Electric Train the Trainer	San Marcos, TX.	2024
Briggs and Stratton Small Engine School	San Marcos, TX.	2024
Curriculum for Agricultural Science Education (CASE)- Small Gas Engines	San Marcos, TX.	2024
SAE For All- The Council	Indianapolis, IN.	2024
Using Assessment Data to Increase Student Performance- Lincoln Electric	Virtual	2023
Lab Activities that Expand the Classroom Experience- Lincoln Electric	Virtual	2023
Lincoln Electric Train the Trainer	San Marcos, TX.	2023
Briggs and Stratton Small Engine School	San Marcos, TX.	2023
Score like the ScanMan!	College Station, TX.	2023
Curriculum for Agricultural Science Education (CASE)- Technical Applications in Agriculture	San Marcos, TX.	2023
The Strength Within: Activating Community Cultural Wealth to Increase Success for Students of Color in STEM Disciplines	San Marcos, TX.	2023
Lincoln Electric Train the Trainer	San Marcos, TX.	2022
Briggs and Stratton Small Engine School	San Marcos, TX.	2022
Torchmate Computer Aided Design Workshop	San Marcos, TX.	2022
Briggs and Stratton Fuel Injection School	Oklahoma City, OK	2022
Lincoln Electric- United States Economic Development Administration American Rescue Plan Act Funding Opportunities	Virtual	2021
Curriculum for Agricultural Science Education (CASE)- Agricultural Business Foundations (2021)	Virtual	2021
Curriculum for Agricultural Science Education (CASE)- Foundations (2021)	Virtual	2021
Lincoln Electric Train the Trainer	San Marcos, TX.	2021
Briggs and Stratton Small Engine School	San Marcos, TX.	2021
Irrigation Association Horticulture Faculty Academy	Virtual	2021
Irrigation Association Agriculture Faculty Academy	Virtual	2021
Makerbot 3D Printing	Virtual	2021
Lincoln Electric REALWELD Customer training	Virtual	2021
Lincoln Electric VRTEX Customer training	Virtual	2021
Irrigation Association Horticulture Faculty Academy	Virtual	2020
Irrigation Association Agriculture Faculty Academy	Virtual	2020
Briggs and Stratton Fuel Injection School	Dixon, IL.	2019
Briggs and Stratton Small Engine School	Dixon, IL.	2019

Irrigation Association Agriculture Faculty Academy	San Luis Obispo, CA.	2019
Briggs and Stratton Fuel Injection School	Dixon, IL.	2018
Briggs and Stratton Small Engine School	Dixon, IL.	2018
Irrigation Association Horticulture Faculty Academy	Westminster, CO.	2018
Irrigation Association Agriculture Faculty Academy	Grand Island, NE.	2017
RJ O'Brian Broker Training	Chicago, IL.	2017
Advanced Torchmate Training	Ames, IA.	2016
Greenfield Industries- Tap & Die School	Seneca, SC.	2015
Introduction to Torchmate and CAD	Ames. IA	2015
Stihl 2-Cycle Training	Virginia Beach, VA.	2014
Briggs and Stratton Small Engine School	Ames, IA.	2014
Briggs and Stratton Small Engine School	Ames, IA	2013
Stihl 2-Cycle Training	Virginia Beach, VA.	2012
Briggs and Stratton Small Engine School	Ames, IA	2012
Lincoln Electric Welding School	Cleveland, OH.	2012

GRANT PROPOSALS

Texas State University- In Review

Establishing a Small Gas Engine Academy. USDA-NIFA SPECA. **PI- Anderson, R.**	$50,000	2026
First Generation Welding Camp. Houston Livestock Show & Rodeo. **PI- Anderson, R.**	$35,000	2025
Creating Elementary Agricultural Education Curriculum using BreezyTA. USDA-NIFA Artificial Intelligence for K-12 Food and Agricultural Sciences. PI- **Anderson, R.**	$2,000,000	2026
Building Education and Engagement for Food-Animal Veterinarians (BEEF). USDA-NIFA-VSGP. PI- Drewery, CO-PI- **Anderson, R.**	$300,000	2026
Providing an Agricultural Equipment Maintenance & Technology CASE Institute for beginning teachers. USDA- NIFA-AFRI-PDAL. PI- **Anderson, R.**	$500,000	2026
Establishing an Agricultural Mechanics Show Bootcamp. USDA- NIFA-AFRI-PDAL. PI- Felty, J. CO-PI- **Anderson, R.**	$500,000	2026
Spanish Immersion in Agricultural Education. USDA- NIFA-AFRI-PDAL. PI- Cherry, A. CO-PI- **Anderson, R.**	$500,000	2026
Agricultural Mechanics Academy. San Antonio Livestock Exposition. **PI- Anderson, R.**	$55,000	2025

Texas State University- Funded (* represents student mentee as primary author)

Land Management Laboratory Improvement. USDA-NIFA-NLGCA. PI- Felty, J. **CO-PI: Anderson, R.**	$150,000	2026
Small Gas Engine Education, Recruitment, and Research (SG-E^2R^2). USDA-NIFA-NLGCA. **PI: Anderson, R.**	$150,000	2026
First Generation Welding Camp. Houston Livestock Show & Rodeo. **PI- Anderson, R.**	$35,000	2025

Advancing Technical Skills in Welding and Fabrication Education. Wayne and JoAnn Moore Foundation. **PI- Anderson, R.**	$25,000	2025
MyCAERT Career & Technical Education Curriculum. **PI- Anderson**. Funded	$42,750	2025
Farm to Fork to Field. Advancing Opportunity in STEM Careers. USDA-NIFA-WAMS. PI- Wagner, **CO-PI: Anderson**	$200,000	2025
Women and Minority in Smart Agriculture (WAM-SA). USDA-NIFA-WAMS. PI: Emami, **CO-PI: Anderson.**	$151,062	2025
Women **A**nd **M**inorities in **Weld**ing- WAM Weld. USDA-NIFA-WAMS. **PI-Anderson.** Funded.	$151,062	2025
Using Virtual Reality to Train Beginning Welders. Texas State University Undergraduate Research Fellowship. Massey, M.* & **Anderson, R.** Funded	$2,900	2025
Determining the professional development needs of students using an Augmented Reality welding system. Texas State University Undergraduate Research Fellowship. Schultz, J.* & **Anderson, R.** Funded	$2,900	2025
Women and Minority in Smart Agriculture (WAM-SA). USDA-NIFA-WAMS. PI: Emami, **CO-PI: Anderson.**	$200,000	2024
Agricultural Construction Laboratory Improvement. USDA-NIFA-NLGCA. PI: Borges, B. **CO-PI: Anderson, R.**	$150,000	2024
Empowering Agricultural Mechanics Education, Recruitment, and Research (ER^2). USDA-NIFA-NLGCA **PI: Anderson, R.**	$150,000	2024
Agricultural Science Teachers' Industry-Aligned Education and Development (AGRI-TED). USDA- AFRI A7501: Professional Development for Agricultural Literacy. PI- Baldock, EE**- Anderson**	$485,426	2024
Providing an Agricultural Power and Technology Institute for beginning teachers. USDA- AFRI A7501: Professional Development for Agricultural Literacy. **PI- Anderson**	$500,000	2024
Recruit, Train, and Retain Students Interested in Welding. Wayne and JoAnn Moore Foundation. **PI- Anderson, R.**	$25,000	2023
Women **A**nd **M**inorities in **Weld**ing- WAM Weld. USDA-NIFA-WAMS. **PI-Anderson.** Funded.	$200,000	2023
Providing a Small Gas Engine CASE Institute for beginning teachers. USDA-NIFA-SPECA. **PI Anderson.** Funded.	$50,000	2023
Machinery Management Laboratory Improvement. USDA-NIFA-NLGCA PI: Borges, B., **CO-PI: Anderson, R.** Funded.	$150,000	2023
Curriculum for Agricultural Science Education (CASE) Agricultural Equipment Maintenance & Technology Institute Scholarship. CASE. **PI-Anderson**, R. Funded.	$2,000	2023
Developing Texas Nursery & Landscape Curriculum. Texas Nursery & Landscape Association. **PI- Anderson**, R. Funded.	$20,011	2023
Evaluating Anxiety Level of Agricultural Mechanics Students during Heavy Equipment Operation. Office of Sponsored Programs- Texas State University. PI- Borges, **Co-PI- Anderson, R**. Funded.	$25,000	2022
Expand and Enhance the Agricultural Mechanics Program to Better Serve a Growing Program. Wayne and JoAnn Moore Foundation. **PI- Anderson, R.** Funded.	$40,000	2022

Sweat: Standardized Welding Education And Training. USDA-NIFA-HEC. PI- Borges, **CO-PI Anderson**, **R**. Funded	$750,000	2022
Smart Farm Program. USDA NIFA-HSI Education Grants Program. PI- Khaleghian, M., CO **PI-Anderson, R.** Funded	$270,119	2022
Creating an active learning classroom. Wayne and JoAnn Moore Foundation. PI- **Anderson, R.** Funded	$40,000	2021
Using Virtual Reality to Determine Professional Development Needs of Beginning Welders. Texas State University Undergraduate Research Fellowship. Garza, L.* & **Anderson, R.** Funded	$1,000	2021
Determining the professional development needs of students using an Augmented Reality welding system. Texas State University Undergraduate Research Fellowship. Ramos, J.* & **Anderson, R.** Funded	$1,000	2021
Women of Welding Scholars. Texas State University College of Applied Arts Learning Community Grant. **PI-Anderson** Funded	$5,000	2021
Science, Technology, Engineering, Agriculture, & Mathematics: integrating scientific inquiry in curriculum for pre-service Agricultural Education teachers (STEAM-AGED). USDA NIFA-HSI Education Grants Program. PI- Drewery, **CO-PI-Anderson, R**. ***Funded***	$275,000	2021
WOW- Women of Welding. USDA NIFA WAMS. **PI-Anderson Funded**	$100,000	2021
Promoting STEM-Based Careers in the welding industry through Virtual Reality-Based Training. The LBJ Institute for STEM Education and Research 2020 Excellence in Innovation award from The Honor Society of Phi Kappa Phi. **PI- Anderson, R.** ***Funded***	$10,000	2020
Connecting Students to STEM Careers and Emerging Technologies in Agriculture: Drone Operation and Application. The LBJ Institute for STEM Education and Research 2020 Excellence in Innovation award from The Honor Society of Phi Kappa Phi. **CO-PI- Anderson, R.** ***Funded***	$10,000	2020
Enhancing STEM skills through Metal Fabrication. USDA-NIFA-NLGCA **PI- Anderson, R.** ***Funded***	$150,000	2020
Assessing the Sequencing of Virtual Reality Welding Instruction in Agricultural Mechanics. Texas State University Research Enhancement Program. **PI-Anderson**. ***Funded***	$16,000	2020
Establishing an Agricultural Mechanics Academy. USDA- AFRI A7501: Professional Development for Agricultural Literacy. **PI- Anderson**, Co PI- Morrish. ***Funded***	$300,000	2020
Nxt Gen Edu: Preparing Career and Technical Education Majors for Laboratory Management through Virtual Reality. Technology Innovation Office- Teaching and Learning Technology Innovation Grant Project. **PI-Anderson, R**. ***Funded***	$4,926	2020
Exposure, Experiential learning, and Extension: positioning underrepresented students for academic and professional success in agricultural sciences – 3eX-Ag. USDA-NIFA-HSI-006951 PI- Drewery, M., **CO-PI- Anderson, R**. ***Funded***	$275,000	2020

* Undergraduate students advised by Anderson

Texas State University- Unfunded

Farmer Introductory Education, Leadership, & Development (FIELD). USDA-BFRTP. PI- Cherry, A. CO PI- **Anderson, R.**	$750,000	2026
Sweet- Sustainable Welding Education & Extension Training. SARE. CO-**PI-: Anderson, R**.	$400,000	2025
REU SITE: Multidisciplinary Undergraduate Research in Technology-Enhanced Civil Infrastructure. NSF-REU. PI- Ozbakkaloglu, EE-**Anderson, R.**	$454,744	2025
Providing an Agricultural Equipment Maintenance & Technology CASE Institute for beginning teachers. USDA- AFRI A7501: Professional Development for Agricultural Literacy. **PI- Anderson**	$500,000	2024
REU SITE: Multidisciplinary Undergraduate Research in Technology-Enhanced Civil Infrastructure. NSF-REU. PI- Ozbakkaloglu, **CO-PI-Anderson, R.**	$439,420	2024
Introducing Three-Dimensional Computer Aided Design into an Agricultural Mechanics Degree Program. Architectural Woodwork Institute Educational Foundation Academic Grant Program. **PI: Anderson, R.**	$10,000	2024
School Garden K-12 Service-Learning Improvement Project. USDA-NIFA-SPECA. PI Goethe, **CO-PI Anderson.**	$150,000	2024
Creating a Mobile Construction Laboratory. DeWalt Grow the Trades Grant. **PI: Anderson, R.**	$25,000	2024
Soil Health Monitoring for Regenerative Agriculture. Sony Research Award Program. PI- Emami, **CO-PI- Anderson**, **R**.	$99,970	2024
Creating a School Garden K-16 Service-Learning Pipeline. USDA-NIFA-FASLP. PI: Goethe, B., **CO-PI: Anderson, R.**	$240,000	2024
REU SITE: Multidisciplinary Undergraduate Research in Technology-Enhanced Civil Infrastructure. NSF-REU. PI- Ozbakkaloglu, **CO-PI-Anderson**, **R**.	$417,706	2023
Assessing the Sequencing of Welding Instruction in Agricultural Mechanics. Texas State University Research Enhancement Program. **PI-Anderson, R**.	$16,000	2023
Enhancing Students' Precision Agriculture Literacy: Development and Evaluation of Educational Curriculum. USDA-NIFA-HEC. PI- Byrd, **CO-PI Anderson**, **R**.	$300,000	2023
Empowering Agricultural Mechanics Education, Recruitment, and Research (ER^2). USDA-NIFA-NLGCA **PI- Anderson, R.** *Unfunded*	$150,000	2023
Southwest Agriculture and Food safety and security Education Through Youth recruitment and development (SAFETY): Preparing Future Leaders for a Safe and Secure U.S. Agriculture System USDA NIFA: From Learning to Leading: Cultivating the Next Generation of Diverse Food and Agriculture Professionals. PI Saucier, **CO-PI Anderson**. *Unfunded*	$10,000,000	2023
Next Generation Agricultural Mechanics- Building Leaders through Experiential Learning. USDA NIFA: From Learning to Leading: Cultivating the Next Generation of Diverse Food and Agriculture Professionals. **PI Anderson.** *Unfunded*	$5,000,000	2023
Assessing the Sequencing of Welding Instruction in Agricultural	$16,000	2022

Mechanics. Texas State University Research Enhancement Program. **PI-Anderson, R**. *Unfunded*		
Sweet- Standardizing Welding Education & Extension Training. USDA-NIFA-NLGCA **PI- Anderson, R**. *Resubmission Unfunded*	$750,000	2021
Machinery Management Laboratory Improvement. USDA-NIFA-NLGCA PI: Borges, B., **CO-PI: Anderson, R.** *Unfunded*	$150,000	2021
Providing an Agricultural Power and Technology Institute for beginning teachers. USDA- AFRI A7501: Professional Development for Agricultural Literacy. **PI- Anderson.** Unfunded	$500,000	2021
Sweat: Standardized Welding Education And Training. USDA-NIFA-HEC. PI- Borges, **CO-PI Anderson**, Unfunded.	$750,000	2021
Texas State Food & Agriculture Service-Learning Program. USDA-NIFA-SPECA. **CO-PI Anderson**, *Unfunded*	$300,000	2021
Women of Welding Scholars. USDA-NIFA-REEU. **PI-Anderson, R.** *Unfunded.*	$750,000	2021
Project Educar: Developing inclusive agricultural educators for Latino communities. USDA NIFA-HSI Education Grants Program. **PI-Anderson**, **R**. *Unfunded*	$1,000,000	2021
Preparing students to use Computer Aided Design software and Computer Numerical Control (CNC) operations with Torchmate Plasma Cutting Systems. San Antonio Livestock Exposition Grant. PI- **Anderson, R**. *Unfunded*	$28,000	2020
Sweet- Standardizing Welding Education & Extension Training. USDA-NIFA-NLGCA **PI- Anderson, R**. *Unfunded*	$750,000	2020
Improving Online CTE through Communities and Coalitions of Practice. ECMC Foundation: Improving Online Postsecondary Career and Technical Education. **CO-PI-Anderson**. *Unfunded*	$2,500,000	2020
Supporting Career and Technical Education Teachers in Developing And Implementing Authentic Learning Experiences for Remote Learners. ECMC Foundation: Improving Online Postsecondary Career and Technical Education. **PI-Anderson**. *Unfunded*	$2,499,979	2020
Supporting School-Based Agricultural Educators In Developing And Implementing Authentic Learning Experiences At A Time Of Social Distancing. USDA- NIFA-AFRI-EWD Rapid Response to Novel Coronavirus (SARS-COV-2): Innovating Formal and Non-Formal Educational Experiences in Food and Agricultural Sciences During the Time of Social Distancing program. **PI-Anderson.** *Unfunded*	$2,999,996	2020
Virtual Reality Technologies to Enhance Post-Secondary STEM Research and Education. DoD Research and Education Program for HBCU/MI Equipment/Instrumentation. **PI-Anderson.** *Internal Submission Unfunded*	$599,986	2020
Assessing the Sequencing of Virtual Reality Welding Instruction in Agricultural Mechanics. Texas State University Research Enhancement Program. PI- **Anderson, R**. *Unfunded*	$8,000	2019
Identifying the Effects of Virtual Reality in Welding. San Antonio Livestock Exposition Grant. PI- **Anderson, R**. *Unfunded*	$51,000	2019

Sauk Valley Community College

Hypertherm Spark Something Great- Equipment & Curriculum *Unfunded*	$3,000	2018
Project iCRUSH: Improving Career Readiness of Underrepresented Students at HSIs. USDA-HSI Grant Program. *Unfunded*, PI- M. Swafford, Co-PI **Anderson, R.**	$250,000	2018
TI^{2}ERS: Team-based Instruction to Improve Education and Retention in STEM. National Science Foundation, PI- M. Swafford, Co-PI **Anderson, R.** *Unfunded*	$249,890.74	2018
AgEd-online@svcc.edu: Creating an online Agricultural Education Career Pathway for Secondary students. Illinois Community College Board. PI- **Anderson, R**. *Unfunded*	$50,000	2017
Managing soil health with mobile soil testing. Illinois Farm Bureau Nutrient Stewardship Grant. PI- **Anderson, R. Funded**	$24,495	2017
Increasing College Access to Underrepresented Students through Dual Enrollment. USDA-HEC Grant Program. **Funded**, PI- M. Swafford **Anderson's** role- External Evaluator	149,137	2017

Iowa State University

Utilizing the Miller Electric LiveArc Welding Performance Management System to Teach and Reinforce STEM-based Technical Content. Iowa State University Computational Advisory Committee. Wells, T*. & **Anderson, R. Funded**	$51,000	2017
Utilizing Torchmate Plasma Cutting Systems to Teach and Reinforce STEM-based Technical Content. Iowa State University Computational Advisory Committee. Wells, T*. & **Anderson, R. Funded**	$42,428.00	2017
Cyber Science 3D. Iowa State University Techstarter. Frutchey, R*., Rasty, J*., McCubbins, OP*., & **Anderson, R**. **Funded**	$6,275	2015
Integrating 3D printing into agricultural mechanics courses to enhance the STEM initiative. Iowa State University Techstarter. **Anderson, R**., Rasty, J*. McCubbins, OP*. & Frutchey, R*. *Unfunded*	$17,000	2015
Torchmate Plama tables. Iowa State University Techstarter. Rasty, J*. **Anderson, R**., Frutchey, R*. & McCubbins, OP*. **Funded**	$40,000	2015
Stratasys Mojo 3D Printing. Iowa State University Techstarter. McCubbins, OP*, Frutchey, R*. **Anderson, R**., & Rasty, J*. *Unfunded*	$9,500	2015
Noise Exposure In An Agricultural Mechanics Laboratory While Students are Welding. Great Plains Center for Agricultural Health. **Anderson, R**. *Unfunded*	$20,000	2015
Evaluating welding performance with the use of guideWELD and guideWELD LIVE welding simulators. RealityWorks. **Anderson, R**. *Unfunded*	$106,050	2015
BP4: Building on Partnerships, Projects, Purpose, and Professional Development to improve instruction and increase the number of students in the agricultural workforce. USDA-NIFA-SPECA. Paulsen, T. H., **Anderson, R. G**., & Sundararajan, S. **Funded**	$297,664 ($68,236 as Co-PI)	2014

Preparing Students to Engage in Agriculturally-based Sustainable Energy Practices: A Plan for Curriculum Development in Secondary School Agricultural Education Programs. USDA-NIFA-SPECA. Shoulders, K., Johnson, D., Edgar, D., Lawver, D., Franklin, E., & **Anderson, R**. *unfunded*	$31,743	2013
Water Rocks! Phase II Expansion for Secondary Students and Instructors. Comito, J., Staudt, A., **Anderson, R.** *unfunded*	$49,969	2013
Iowa State University--Water Rocks! Expansion project: Rock Your Watershed! And Geocaching. Comito, J., Staudt, A., **Anderson, R.** *Unfunded*	$288,795	2012
Reinforcing the STEM initiative through the Virtual Welding Roadshow- VPEO Strategic Initiatives Proposal. **Anderson, R**. & Paulsen, T. *Unfunded*	$209,342	2012
Water Rocks! Phase II – Expansion of Programming for K-12 Teachers, Peer Mentors, and Extension Youth Specialists- VPEO Strategic Initiatives Proposal. Comito, J., Staudt, A., **Anderson, R**, et al. *Unfunded*	$232,486	2012
Revitalizing the Planning, Organizing, and Teaching Agricultural Mechanics Textbook. Iowa State University Publication Subvention Grant Proposal. Anderson, R. **Partially Funded**	$1,300	2012
John Deere Community Grant- ISU Agricultural Mechanics Laboratory. **Anderson, R**. *Unfunded*	$5,500	2012
National Science Foundation Grant- STEM-Enhanced Bio-Fuel Demonstration Units. Franklin, E., Lawver, D., Edgar, D., **Anderson, R**. & Rosencrans, C. *Unfunded*	$299,980	2012
NIFA/USDA Grant- Impacting STEM Instruction in Agricultural Education through the Integration of Sustainable Energy in Higher Education Instruction. Lawver, D., Ulmer, J., **Anderson, R.,** Edgar, D., & Franklin, E. *Unfunded*	$300,000 ($60,000 as Co-PI)	2012
USDA HEC Grant- Mobile Biofuel Testing Demonstration Projects: A strategic planning conference. *Unfunded*	$28,194.38	2012
National Science Foundation Grant- Water Rocks! Staudt, A., Comito, J. & **Anderson, R.** Co-PI's. *Unfunded*	$2,500,000	2011
Iowa State University Center for Excellence in Learning and Teaching (CELT) TEACH Grant- Cross Cultural Engagement: A Path to Multicultural Teaching & Learning in Agriculture. **R. Anderson,** P.I. **Funded**	$2,000	2011
Vermeer Manufacturing Community Development Grant- Developing entrepreneurship practices in agricultural mechanization laboratories utilizing a PlasmaCam. **Ryan Anderson,** P.I. *Unfunded*	$14,800	2011
CALS Technology Advancement - Revolutionizing the Teaching and Learning of Welding Fundamentals through the Integration of Virtual Simulation. **Ryan Anderson,** Gaylan Scofield, Wade Miller. **Funded**	$47,313	2011
NSF Grant- Biocomplexity of Enhancing Ecosystem Services *Unfunded*	$1,491,997	2010

* Graduate students advised by Anderson

Murray State University

USDA Challenge Grant- Exp. Learning in International Ag. *Unfunded*	$150,000	2008

CTLT Faculty Development Mini-grant **Funded**	$1,000	2007
School of Agriculture Mini-grant **Funded**	$1,000	2007
CTLT Faculty Development Mini-grant **Funded**	$500	2007
CTLT Faculty Development Mini-grant **Funded**	$1,000	2007
CTLT Faculty Development Mini-grant **Funded**	$1,000	2006

Virginia Tech

Rufus Beamer Professional Development Award **Funded**	$150	2006
Rufus Beamer Professional Development Award **Funded**	$500	2005

Texas A&M-Commerce

Agricultural science teachers' attitudes toward and adoption of information technology. Houston Livestock Show and Rodeo. Williams, R. & **Anderson R. Funded**	$1,500	2003

Secondary Education

Illinois Soil and Water Conservation District Greenhouse applications	$4,000	2002
Facilitating Coordinators in Agricultural Education Incentive funding grant	$3,800	2002
Facilitating Coordinators in Agricultural Education Incentive funding grant	$3,200	2001

DONATIONS/IN-KIND GIFTS

Texas State University ($162,440)

Wayne & Ruth Fredericks- General Shop tools	$24,000	2023
Boehler- Grinding Shields (30)- Welding Laboratory	$3,000	2023
Boehler- Welding Helmets (42)- Welding Workshop	$5,040	2023
Boehler- Welding Helmets (40)- WoW camp	$4,800	2023
Curriculum for Agricultural Sciences (CASE)- TAA equipment	$20,000	2023
Tab & Slot- Metal Coupons	$7,300	2022
Boehler- Welding Helmets (60)	$7,200	2022
Lincoln Electric- RealWeld Training System	$65,300	2021
Matheson Gas- Heavy duty cutting & heating outfits	$1,300	2020
Briggs & Stratton- Small Engines	$50,000	2019
Stihl- Carburetors	$1,500	2019

Sauk Valley Community College ($104,082)

Pioneer Seed- Corn Seed (Brinton Property) 56 bags	$5,600	2019

Cornelius Seed- Corn (Sauk Property) 10 bags	$1,000	2019
DEKALB ASGROW Seed- Soybeans (Sauk Property) 10 bags	$1,000	2019
Briggs and Stratton- Small Engines	$34,000	2018
Pioneer Seed- High Tunnel Greenhouse	$1,500	2018
Culver's- Auger cart	$8,000	2018
Briggs and Stratton- Small Engines, Tools, & Educational Materials	$14,300	2018
Power Tool Safety Institute- 25 Educational packets	$500	2018
G-W Publishers- Textbooks	$3100	2018
Briggs and Stratton- Small Engines, Tools, & Educational Materials	$700	2018
ATP Publishers- Agricultural Mechanics Textbooks	$7,616	2018
Pioneer Seed- Soybean Seed (Brinton Property) 56 bags	$5,600	2018
Munson Hybrids (Sauk Property) 10 bags	$1,000	2018
Kohler Small Gas Engines	$6,000	2018
Tab & Slot- Metal Coupons	$6,750	2018
Design Technology, Inc.- Small engine tools	$1,300	2017
G-W Publishers- Textbooks	$816	2017
Irrometer- Soil water testing equipment	$1500	2017
360 Yield Center- SoilScan	$3800	2017

Iowa State University ($1,372,313.20)

Kohler- Engines	$6,000	2016
Lemar Steel- Welding metal	$4,000	2016
Tab & Slot- Metal Coupons	$7,300	2016
Milwaukee Tools- Hand tools	$250	2016
Briggs and Stratton- Small Engines, Tools, & Educational Materials	$14,300	2016
ATP Publishers- Small Engine Textbooks	$7,260	2016
Hypertherm- Equipment & Curriculum	$2,739	2015
Hobart- Welding Consumables	$2,800	2015
Honda- Small Engines	$7,250	2015
Milwaukee Tools- Hand tools	$3,125	2015
Case International- Tractor	$5,000	2015
Lincoln Electric- Curriculum	$42,984	2015
Lemar Steel- Welding metal	$4,000	2015
Lincoln Electric- Career Development Event prizes	$3,100	2015
ATP Publishers- Residential Wiring Textbooks	$1,272	2015
Delmar Cengage Publishers- Agricultural Mechanics Textbooks	$4,272	2015
Power Tool Safety Institute- 250 Educational packets	$5,000	2015

ATP Publishers- Agricultural Mechanics Textbooks	$3,125	2015
ATP Publishers- Small Engine Textbooks	$7,260	2015
G-W Publishers- Small Engine Textbooks	$22,795.20	2015
John Deere- Engines	$45,000	2015
Briggs and Stratton- Engines for Iowa Teachers	$372,000	2014
Lincoln Electric- Career Development Event prizes	$3,100	2014
Lemar Steel- Welding metal	$4,000	2014
Miller Welding- Consumables (Mig & Stick)	$3,040	2014
Lincoln Electric- Career Development Event prizes	$3,100	2013
Kohler- Engines	$6,000	2013
Lemar Steel- Welding metal	$4,000	2013
Lincoln Electric- Career Development Event prizes	$3,100	2012
Lincoln Electric- Curriculum	$42,984	2012
Lemar Steel- Welding metal	$4,000	2012
Lincoln Electric- Virtual Welder Contest prizes	$3,456	2012
Briggs and Stratton- Small Engines	$485,959	2011
Miller Welding- Consumables (Mig & Stick)	$3,040	2011
ESAB- Oxy-Acetylene torch kits	$9,593	2011
Medart Engines- Small engines	$5,822	2011
Lemar Steel- Welding metal	$4,000	2011
Lincoln Electric- Laboratory equipment	$45,845	2011
Miller Welding- In-Kind contribution for Air Ventilation system	$41,798	2011
Briggs and Stratton- Small Engines, Tools, & Educational Materials	$14,300	2011
Power Tool Safety Institute- 250 Educational packets	$5,000	2011
Miller Welding- 12 Multi-process welders	$109,344	2010

Murray State University ($44,550)

Briggs and Stratton- Small Engines, Tools, & Educational Materials	$6,050	2010
Briggs and Stratton- Small Engines, Tools, & Educational Materials	$5,000	2009
ESAB Welding- Cutting Torches	$7,500	2010
Briggs and Stratton- Small Engines, Tools, & Educational Materials	$6,500	2008
Briggs and Stratton- Small Engines, Tools, & Educational Materials	$19,500	2007

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(17) Kornegay, K., **Anderson, R**., Morrish, D., & Heibel, B. (In Review). Determining the Impact of Professional Development on the Importance to Teach Welding. *Journal of Agricultural Education.*

(16) Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (In Review). Assessing the influence of welding sequence training on student performance. *Journal of Agricultural Education.*

(15) Borges, B., Drewery, M. **& Anderson, R.** (In Review). Women of Welding Participant's sense of belonging in the welding industry. *Journal of Agricultural Education.*

(14) Kornegay, K., **Anderson, R**., & Paulsen, T. (In Review*).* Determining the Impact of an Electricity Workshop on the Importance to Teach Electricity. *Journal of Agricultural Education.*

(13) Kornegay, K. & Anderson, R. (In Review). Evaluating the Impact of an Electricity Workshop on SBAE Teachers Knowledge to Teach. *Journal of Agricultural Education.*

(12) Kornegay, K. & Anderson, R. (In Review). Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Perform Electrical Skills. *Journal of Agricultural Education.*

(11) Massey, M., Anderson, R. & Kornegay, K. (In Review). Teacher-perceived Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics to Teach Electricity. *Journal of Agricultural Education.*

(10) Parks, S., Anderson, R., & Perry, D. (In Review). Evaluating the Impact of a Small Gas Engine Workshop on SBAE Teachers Knowledge to Teach. *Journal of Agricultural Education.*

(9) Parks, S., Anderson, R., & Perry, D. (In Review). Determining the Impact of a Small Gas Engine Workshop on the Importance to Teach Small Gas Engines. *Journal of Agricultural Education.*

(8) Parks, S., Anderson, R., & Perry, D. (In Review). Exploring the Impact of a Small Gas Engine Workshop on SBAE Teachers Ability to Perform Small Gas Engine Skills. *Journal of Agricultural Education.*

(7) Schultz, J. Kornegay, K., & Anderson, R. (In Review). Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Teach Electrical Skills. *Journal of Agricultural Education.*

(6) Garza, L., Sykora, R., **Anderson, R.**, Borges, B., & Swafford. M. (In Review). Determining the professional development needs of students using an Augmented Reality welding system. *Journal of Agricultural Education.*

(5) Ramos, J., Borges, B., & **Anderson, R.** (In Review) Identifying Teacher's Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development Workshop. *Journal of Agricultural Education.*

(4) Byrd, P. & **Anderson, R.** (In Review). Mixed Method Evaluation of Confidence and Self-Efficacy on the Effects of a Required Agricultural Mechanics Unit of Instruction on Pre-service Teachers. *Journal of Agricultural Systems, Management and Technology.*

(3) Ramos, J., **Anderson, R.,** Borges, B., & Swafford, M. (In Review). Identifying the

Relationship between augmented reality welding instruction and welding performance. *Journal of Agricultural Education.*

(2) McCubbins, O., Paulsen, T., & **Anderson, R**. (In Review). Examining Student Collaboration after Adopting Team-Based Learning in an Undergraduate Capstone Course. *The North American College Teachers of Agriculture Journal.*

(1) **Anderson, R.** & Williams, R. (In Review). Gender Differences Among Agricultural Science Teachers' Attitudes toward Information Technology. *Journal of Career and Technical Education.*

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None

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(79) Anderson, K., **Anderson, R. G.,** & Byrd, P. (In Press). Effects of a Professional Development Session on Career and Technical Education Teachers' Perceptions of Importance, Competence, Curriculum Availability, and Ability to Teach Two-Stroke Engine Theory and Safety: A Preliminary Study. *The CTE Journal.*

(78) Parks, S., **Anderson, R**., & Perry, D. (2026). The Teaching and Learning of Small Gas Engines: A Literature Review. *Journal of Agricultural Education. 67(1), Article 20.* *https://doi.org/10.5032/jae.v67i1.3320*

(77) Anderson, K., **Anderson, R. G.,** & Byrd, P. (2025). Career and technical education teachers post-secondary training and professional development interests related to the teaching and learning of two-stroke engines content: A preliminary study. *Journal of Agricultural Systems, Management and Technology. 36*(1), 42-57.

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(75) Driskill, R. & **Anderson, R.** (2025). A Qualitative Analysis of the Needs, Attitudes And Inclusion of the Embedded Academic Crosswalks of Teachers in Massachusetts Agricultural High Schools. *The CTE Journal.* 1*3*(1), 1-14.

(74) Driskill, R. & **Anderson, R.** (2025). The Needs, Attitudes and Self-Reported Percentage of Inclusion of the Embedded Academic Crosswalks of Teachers in Massachusetts Agricultural High Schools. *The CTE Journal. 13*(1), 1-15.

(73) Byrd, P., **Anderson, R.** & Saucier, R. (2025). Injuries and Other Accidents Sustained

In An Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students. *Journal of Agricultural Systems, Management and Technology. 36*(1), 1-15.

(72) Byrd, A., Stone, R., & **Anderson, R**. (2025). Reducing Beginning Welders' Anxiety By Integrating Virtual Reality Simulations. *International Journal of Agriculture and Technology*. *5*(1), 1-8.

(71) Rasty, J., & **Anderson, R.** (2025). The Importance of Agricultural Mechanics Skills Training: Implications for Agricultural Education. *Journal of Agricultural Systems, Management and Technology. 36*(1), 1-13.

(70) Gent, N., **Anderson, R.,** & Paulsen, T. (2024). The Relationship of Quality and Quantity of Post-Secondary Agricultural Mechanics Training of Agricultural Education Teachers. *Journal of Agricultural Systems, Management and Technology. 35*(1), 13-26.

(69) **Anderson, R**., & Paulsen, T. (2024). Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers. *Journal of Agricultural Systems, Management and Technology. 34*(1), 1-14.

(68) Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2024). Assessing the Effects of Virtual Cue Implementation in Virtual Reality Welding Training. *Journal of Agricultural Education. 65*(2), 413-428 https://doi.org/10.5032/jae.v65i2.2407.

(67) Heibel, B., Boyer, H., Tasci, K., & **Anderson, R**. (2024). Youth Leadership Development: A Synthesis of Literature. *The CTE Journal, 12*(1), 42-57.

(66) Haynes, J.C., **Anderson, R.,** Byrd, P. & McCubbins, O. (2024). Determining the Teaching Resources Needed for an Ideal Post-Secondary Applied STEM (Agricultural Mechanics) Learning Laboratory: A Delphi Approach. *The CTE Journal, 12*(1), 18-37.

(65) Mills, D., **Anderson, R**., & Paulsen, T. (2024). Strengths of State FFA Officers through the Years. *The CTE Journal., 12*(1), 107-124.

(64) Figland-Cook, W., **Anderson, R**. & Paulsen, T.H. (2024). Investigating the Importance to Teach Agricultural Mechanics through the Lens of Traditional and Alternatively Certified Teachers. *The CTE Journal, 12*(1), 91-106.

(63) Heibel, B, **Anderson, R**., Swafford, M., & Borges, B. (2024). Integrating Virtual Reality Technology into Beginning Welder Training Sequences. *Journal of Agricultural Education. 65*(1), 210–225. https://doi.org/10.5032/jae.v65i1.2468

(62) Blanton, E., **Anderson, R**., & Drewery, M. (2024). Service-Learning Outreach to Increase High School Students' Knowledge and Interest in Agriculture. *Translational Animal Science. Volume 8, 2024, txae012, https://doi.org/10.1093/tas/txae012*

(61) Heibel, B, **Anderson, R**., & Drewery, M. (2023). Virtual reality in welding training and education: A literature review. *Journal of Agricultural Education, 64*(4). https://jae-online.org/index.php/jae/article/view/38

(60) **Anderson, R**., Paulsen, T., & Mills, D. (2023). Are Selection Processes Allowing Talent Diverse Members to Advance Through The Leadership Ranks Of FFA? *The CTE Journal, 11*(2), 68-83.

(59) **Anderson, R**., & Paulsen, T. (2023). School-Based Agricultural Education Teachers' Importance to Teach Agricultural Mechanics: A Gender Comparison. *The CTE Journal, 11*(2), 55-67

(58) Byrd, A., **Anderson, R**., & Paulsen, T. (2023). Agricultural Education Teachers Competence to Teach Agricultural Mechanics: A Gender Comparison. *The CTE Journal, 11*(2), 2-16.

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(55) Figland-Cook, W., **Anderson, R**. & Swafford, M. (2022). Agricultural Mechanics Skills Possessed by Post-Secondary Students Prior to Enrolling In an Agricultural Mechanics Teaching Methods Course. *Journal of Agricultural Systems, Management and Technology, 33,* 1-16.

(54) Anderson, K., **Anderson, R. G**., & Swafford, M. (2022). Effects of a Professional Development Workshop on Career and Technical Education Teachers' Perceptions of Teach Two-Stroke Engine Repair Skills: A Preliminary Study. *Journal of Agricultural Systems, Management and Technology, 33,* 1-12.

(53) Row, Z.C., Drewery, M. L., **Anderson, R.G**., & Russo, C.M. (2022). Challenges and Opportunities faced by Veterinary Technicians in the Workplace during COVID-19. *Frontiers in Veterinary Scie. 9:831127. 1-7. https://doi.org/10.3389/fvets.2022.831127*

(52) Garza, G., Drewery, M. L., & **Anderson, R.G**. (2022). Online teaching workshops and conferences: a COVID-19 survey on faculty teaching agricultural sciences. *The North American College Teachers of Agriculture Journal,* 66. 19-25.

(51) Kornegay, K., Drewery, M., & **Anderson, R**. (2022). Effect of Covid-19 on Faculty Participation in Teacher Training. *The North American College Teachers of Agriculture Journal, 66. 1-8.*

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(49) Catalan, E., Drewery, M., **Anderson, R.,** & Sudhakaran, P. (2021). Learning Management Software (LMS) for Teaching Agricultural Science: The Role of Age in Faculty's Adoption Before and During Covid-19. *The North American College Teachers of Agriculture Journal, 65.* 442- 454.

(48) Swafford, M., & **Anderson, R**. (2021). The Need for Cognition and Self-Regulated Learning in Online Environments. *The CTE Journal. 9*(2). 17-23.

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(43) **Anderson, R.** & Swafford, M. (2021). Administrators View of Mathematics Integration in the Agricultural Education Programs. *The CTE Journal, 9*(1). 1-11.

(42) Tasci, K., Drewery, M., **Anderson, R.,** & Swafford, M. (2021). Adoption of Software in the Post-Secondary Agricultural Classroom as a Result of the COVID-19 Pandemic. *North American College Teachers of Agriculture Journal. 44-54*

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Agricultural Mechanics Preparation Received at the University Level. *Journal of Agricultural Education, 62*(1), 17-28. https://doi.org/10.5032/jae.2021.01017

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TEXTBOOKS & CHAPTERS

Anderson, R. (2025). Electrical Applications in Agriculture. American Technical Publishers, Orland Park, IL.

Byrd, A.P., Edgar, D., Granberry, T., & **Anderson, R.G**. (2024). Agricultural Mechanics in SBAE Teacher Preparation. In Barrik, K. & Thoron, A, *Emerging Research in Agricultural Teacher Education.* IGI Global.

Koel, L., Mazur, G., Moniz, B., Radcliff, B. (2019). Agricultural Technical Systems and Mechanics (2nd ed). Orland Park, IL. American Technical Publishers. Contributing Authors: Morton, C., Franklin, E., Scales, J., & **Anderson, R.**

NON-PEER REVIEWED PUBLICATIONS

Wells, T., Byrd, A. P., & **Anderson, R.** (In Press). *Aligning with industry: Using virtual reality technology to provide psychomotor skill development and assessment in a post-secondary setting.* NACTA Journal Teaching Tips/Notes.

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Swafford, M., & **Anderson, R.** (In Press). *Increasing Access to Agricultural Mechanics Dual Credit Opportunities while Maintaining Higher Learning Commission (HLC) Accreditation: A Hybrid Strategy.* NACTA Journal Teaching Tips/Notes.

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Anderson, R., Franklin, E., & Preisner, N. (In Press). *The Irrigation Association's Agricultural Faculty Academy: Addressing Complex Problems.* NACTA Journal Teaching Tips/Notes.

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Cortez, L., & **Anderson, R**. (In Press). *The Chocolate Rendezvous: A Black-Tie Fundraiser.* NACTA Journal Teaching Tips/Notes.

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Anderson, R. (2019). *Extreme Agricultural Mechanics Makeover*. NACTA Journal Teaching Tips/Notes.

Anderson, S., & **Anderson, R.** (2019). *Utilizing industry experts to enhance the agricultural mechanics instruction.* NACTA Journal Teaching Tips/Notes.

Byrd, P., & **Anderson, R**. (2019). *Graduate Student Entrepreneurship: Answering the Professional Development Needs of Secondary Agricultural Education Teachers.* NACTA Journal Teaching Tips/Notes.

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Byrd, A., Stone, R., & **Anderson, R**. (2019). *Can Dexterity Predict Future Performance of Novice Welders?* NACTA Journal Teaching Tips/Notes.

Caudle, L., Paulsen, T., & **Anderson, R**. (2019). *Public Service Announcement: Spreading Farm Safety Awareness Through The Use of the Mobile Application, Glide.* NACTA Journal Teaching Tips/Notes.

McCubbins, OP., **Anderson, R**., & Paulsen, T. (2019). *Enhancing Career Development Event Preparation Using Snapchat: A Snapshot of Identification Components of Various Career Development Events.* NACTA Journal Teaching Tips/Notes.

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2019). *The Sixth Sense: Developing an Agricultural Mechanics Laboratory Awareness.* NACTA Journal Teaching Tips/Notes.

Rasty, J. & **Anderson, R.** (2019). Jerry Springer Moment. NACTA Journal Teaching Tips/Notes.

Rudolphi, J. & **Anderson, R.** (2019). *The Facebook Experience: Creating Small Engine Parts Profiles to Increase Higher Order Thinking Skills*. NACTA Journal Teaching Tips/Notes.

Shultz, M., Perry, D., Byrd, P., & **Anderson, R**. (2019). *Reducing School Liability by Incorporating Brake Activation Devices on Woodworking Equipment.* NACTA Journal Teaching Tips/Notes.

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Wells, T. & **Anderson, R**. (2019). *Incorporating Experiential Learning Principles into a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* NACTA Journal Teaching Tips/Notes.

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McCubbins, OP, **Anderson, R.,** Frutchey, R., & Rasty, J. (2018) Team-based learning: A professional development model for training the trainer. NACTA Teaching Tips/Notes. *NACTA Journal 62*(2). **Bob Gough Top Teaching Tip Award.**

Anderson, R. (2014). Theme editor comments: The Role of Agricultural Mechanics in High School Agricultural Education. *The Agricultural Education Magazine*, *87*(4), 4, 6.

Anderson, R. (November, 2014). *Extreme Agricultural Mechanics Makeover: A Model for Revitalizing a Laboratory*. The Agricultural Education Magazine. 87(3), 5-6.

Anderson, R., Buttles, T., DeLay, A., Park, T. D., Warnick, B. K., Townsend, C. D. (2007). *Moving critical thinking research into the classroom: A review of related research and translation to practice* (vol. 1). A white paper included in the Proceedings of the 2007 OMEGA Conference: Powerful Professional Growth, Indianapolis, IN.

REFEREED PAPER PRESENTATIONS

Kornegay, K. & **Anderson, R**. (2025). *Determining the Impact of an Electricity Workshop on the Importance to Teach Electricity.* Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Student Research Abstract**.

Kornegay, K., **Anderson, R**., & Paulsen, T. (2025). *Teaching and Learning of Electricity in Agricultural Education: a Literature Review*. American Association for Agricultural Education Conference, Lubbock, TX.

Parks, S., **Anderson, R**., & Perry, D. (2025). *The Teaching and Learning of Small Gas Engines: A Literature Review.* American Association for Agricultural Education Conference, Lubbock, TX.

Borges, B., Drewery, M., & **Anderson, R**. (2024). *Shifting Perceptions: Impact of a Women of Welding Camp.* Proceedings from the 43rd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Research Paper.**

Driskill, R. & **Anderson, R**. (2024). *The Needs, Attitudes and Self-Reported Percentage of Inclusion of the Embedded Academic Crosswalks of Teachers in Massachusetts Agricultural High Schools.* Proceedings from the 43rd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Borges, B., Drewery, M., & **Anderson, R**. (2024). *Shifting Perceptions: Impact of a Women of Welding Camp.* Western American Association for Agricultural Education Conference, Chico, CA.

Kornegay, K., **Anderson, R**., Morrish, D., & Borges, B. (2023). *Determining the Impact of Professional Development on the Importance to Teach Welding*. Proceedings from the 42nd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Ramos, J., Borges, B., & **Anderson, R.** (2023) *Identifying Teacher's Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development Workshop.* Western American Association for Agricultural Education Conference, Logan UT.

Anderson, R.G., Saucier, P.R. Byrd, A.P., White, P.T., & Leamon, C.L. (2023). *Identifying the Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* American Society of Agricultural and Biological Engineers International Meeting. Omaha, NE.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2023). *Assessing the Effects of Virtual Cue Implementation in Virtual Reality Welding Training.* American Association for Agricultural Education Conference, Raleigh, NC.

Heibel, B., **Anderson, R.,** Swafford, M. & Borges, B. (2022). *Integrating Virtual Reality Technology into Beginning Welder Training Sequence.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Hutson, K., **Anderson, R.,** Morrish, D. & Sykora, R. (2022). *Determining the Impact of the Agricultural Mechanics Academy of Teachers' Knowledge of Welding.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Ramos, J., Borges, B., **Anderson, R.,** & Morrish, D., (2022). *Identifying the Tools and Equipment Available to Teach Welding.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Garza, L., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Determining the training needs of students using a the Realweld welding system.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Heibel, B., **Anderson, R.,** Swafford, M. & Borges, B. (2022). *Assessing the Effects of Cue Implementation in Virtual Reality Welding Training.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN. **Outstanding Paper Presentation**.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Determining the professional development needs of students using an Augmented Reality welding system.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Saucier, R., Byrd, P., White, T., **Anderson, R**., & Leamon, C. (2022*). Effects of a Professional Development Session on Career and Technical Education Teachers' Importance to Teach Small Gas Engines.* American Society of Agricultural and Biological Engineers International Meeting. Houston, TX.

White, P.T., **Anderson, R.G.,** Saucier, P.R. Byrd, A.B., & Leamon, C.L. (2022). *Perceptions of Curriculum Availability for Career and Technical Education Teachers to Teach Small Gas Engine Technology in Secondary Schools.* American Society of Agricultural and Biological Engineers International Meeting. Houston, TX.

Heibel, B., **Anderson, R.,** Swafford, M. & Borges, B. (2022). *Integrating Virtual Reality Technology into Beginning Welder Training Sequence.* American Association for Agricultural Education Conference, Oklahoma City, OK

Heibel, B., Boyer, H., Tasci, K., & **Anderson, R**. (2022). *Youth Leadership Development: A Synthesis of Literature*. American Association for Agricultural Education Conference, Oklahoma City, OK

Ramos, J., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Identifying the relationship between augmented reality welding instruction and welding performance.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Determining the professional development needs of students using an Augmented Reality welding system.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

Haynes, J. C., Byrd, A. P., & **Anderson, R.G.** (2021). Revisiting the Preparation of Pre-Service

Teachers in Agricultural Mechanics. Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Paper Presentation**.

Anderson, R.G., Saucier, P.R. Byrd, A.P., White, P.T., & Leamon, C.L. (2021). *Identifying the Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Saucier, R., Byrd, P., White, T., **Anderson, R**., & Leamon, C. (2021*). Effects of a Professional Development Session on Career and Technical Education Teachers' Importance to Teach Small Gas Engines.* Association of Career and Technical Education Research Conference, New Orleans, LA.

White, P.T., **Anderson, R.G.,** Saucier, P.R. Byrd, A.B., & Leamon, C.L. (2021). *Perceptions of Curriculum Availability for Career and Technical Education Teachers to Teach Small Gas Engine Technology in Secondary Schools.* Association of Career and Technical Education Research Conference, New Orleans, LA. **Outstanding Paper Presentation**.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Determining the professional development needs of students using an Augmented Reality welding system.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Using Virtual Reality to Determine Professional Development Needs of Beginning Welders.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Ramos, J., Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Identifying the relationship between virtual assisted welding instruction and welding performance.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Assessing the influence of welding sequence training on student performance.* Association of Career and Technical Education Research Conference, New Orleans, LA. **Outstanding Paper Presentation**.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford. M. (2021*). Using Virtual Reality to Determine Professional Development Needs of Beginning Welders.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Assessing the influence of welding sequence training on student performance.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Catalan, E., **Anderson, R.,** Sudhakaran, P., & Drewery, M. (2021). *Faculty use of Learning*

Management Software during Covid-19: the effect of age and time. Western American Association for Agricultural Education Conference, Bozeman, MT.

Tasci, K., **Anderson, R.,** & Drewery, M. (2021). *Changes in academic rigor and faculty perception of student learning during Covid-19*. Western American Association for Agricultural Education Conference, Bozeman, MT.

Anderson, R., & Paulsen, T. (2020). Agricultural Education Teachers' Importance to Teach Agricultural Mechanics: A Gender Comparison. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference (Virtual). **Distinguished Paper Presentation**.

Byrd, P., White, T., **Anderson, R**., Saucier, R., & Leamon, C. (2020). Effects of a Professional Development Session on Career and Technical Education Teachers' Knowledge to Teach Small Gas Engines. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference (Virtual). **Distinguished Paper Presentation**.

Saucier, R., Byrd, P., White, T., **Anderson, R**., & Leamon, C. (2020). Effects of a Professional Development Session on Career and Technical Education Teachers' Importance to Teach Small Gas Engines. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference (Virtual). **Outstanding Paper Presentation**.

McCubbins, OP, Paulsen, T.H., & **Anderson R.** (2020). *Promoting and Measuring Collaboration Networks in a Capstone Course.* North American Colleges and Teachers of Agriculture Conference, Las Cruces, NM. (Virtual Conference).

Swafford, M. & **Anderson, R.** (2020). *Perceived Preparedness and Teaching Efficacy: A Mirrored Relationship.* North American Colleges and Teachers of Agriculture Conference, Las Cruces, NM. (Virtual Conference).

Swafford, M. & **Anderson, R.** (2020). *The Relationship Between Metacognitive Awareness and Self-Regulated Learning.* North American Colleges and Teachers of Agriculture Conference, Las Cruces, NM. (Virtual Conference).

Swafford, M., Ussery, S., & **Anderson, R.** (2020). *Women's Perceived Barriers to Pursuing STEM Careers.* North American Colleges and Teachers of Agriculture Conference, Las Cruces, NM. (Virtual Conference).

Swafford, M. & **Anderson, R.** (2019). *Sustaining the Profession: Career Promotion Behaviors of School-Based Agricultural Education Teachers*. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN.

Swafford, M., Ussery, S., & **Anderson, R.** (2019). *Addressing the Gender Gap: Women's Perceived Barriers to Pursuing STEM Careers.* Western American Association for Agricultural Education Conference, Anchorage, AK.

Anderson, K., **Anderson, R. G.,** & Byrd, A. P. (2018). *Effects of a Professional Development Session on Career and Technical Education Teachers' Perceptions of Importance, Competence, Curriculum Availability, and Ability to Teach Two-Stroke Engine Theory and Safety: A Preliminary Study.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN. **Distinguished Paper Presentation**.

Byrd, A. P., Saucier, P. R., & **Anderson, R. G.** (2018). *Laboratory Management Needs of Iowa School-Based Agricultural Mechanics Teachers.* American Association for Agricultural Education Conference, Charleston, SC.

Byrd, A. P., Saucier, P. R., & **Anderson, R. G.** (2018). *Laboratory Management Needs of Iowa School-Based Agricultural Mechanics Teachers.* Southern Region of American Association for Agricultural Education Conference, Jacksonville, FL.

Wells, T., Anderson, K., & **Anderson, R. G.** (2017). *Career and technical education teachers' tool and equipment availability related to the teaching and learning of two-stroke engines content: A preliminary study.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN.

Anderson, K., **Anderson, R. G.,** & Wells, T. (2017). Career and technical education teachers' post-secondary training and professional development interests related to the teaching and learning of two-stroke engines content: A preliminary study. *National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference,* Indianapolis, IN.

Figland, W., & **Anderson, R**. (2017). *Agricultural Mechanics Skills Possessed by Post-Secondary Students Prior to Enrolling In an Agricultural Mechanics Teaching Methods Course.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

McCubbins, Paulsen, T., & **Anderson, R**. (2017). *Conceptualizing the Integration of Team-Based Learning into a Capstone Farm Management Course: Advice from Larry Michaelsen.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

McCubbins, Paulsen, T., & **Anderson, R**. (2017). *Examining Perceptions of Their Experience in a TBL Formatted Capstone Course.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Rasty, J., & **Anderson, R**. (2017). *A Longitudinal Comparison of the Importance of Agricultural Mechanics Skills Taught.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Rasty, J., & **Anderson, R**. (2017). *The Importance of Agricultural Mechanics Skills Training: Implications for Agricultural Education.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Wells, K., **Anderson, R**., & Anderson, K. (2017). *Career and Technical Education Teachers' Perceived Tool and Equipment Availability Related to Teaching Two-Stroke Engines Content: A Preliminary Study.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2017). An Exploration of the Growth and Development of Student Collaboration Networks in a TBL Capstone Course. The International Team-Based Learning Collaborative Conference, Orlando, FL.

Frutchey, R., Byrd, P., **Anderson, R**., & Paulsen, T. (2016). *Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Rasty, J. & **Anderson, R.** (2016). *Longitudinal Trends in the Importance of Agricultural Mechanics*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Figland, W. & **Anderson, R**. (2016). *Initial Agricultural Mechanics Skills Possessed by Pre-service Agricultural Education Students.* North Central Region American Association for Agricultural Education Conference, Lafayette, IN.

Rasty, J. & **Anderson, R.** (2016). *Longitudinal Trends in the Importance of Agricultural Mechanics*. North Central Region American Association for Agricultural Education Conference, Lafayette, IN.

Alston, A., English, C.W., & **Anderson, R.** (2016) *Power, Structural, and Technical Systems Career Pathway Workforce Readiness: Implications for Agricultural Education*. NC Education Forum – Raleigh, NC

Frutchey, R., Byrd, P., **Anderson, R**., & Paulsen, T. (2016). *Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016). *Utilizing Social Network Analysis in a Team-Based Learning Formatted Capstone Course*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016). *Classroom Level Student Engagement in a Team-Based Learning Course.* North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Rasty, J., & **Anderson, R**. (2016). *The Importance of Agricultural Mechanics Skills Training: Implications for Post-Secondary Education*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Frutchey, R., Byrd, P., **Anderson, R**., & Paulsen, T. (2016). *Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers*. American Association for Agricultural Education Conference, Kansas City, MO.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* American Association for Agricultural Education Conference, Kansas City, MO.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Paper Presentation**.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* North Central Region American Association for Agricultural Education Conference, Minneapolis, MN.

McCubbins, O., **Anderson, R**. & Paulsen, T. (2015). *The Relationship of the Adequacy of Tools and Equipment to Perceived Competency to Teach Agricultural Mechanics Topics in High School Agricultural Mechanics Laboratories in [STATE]*. North Central Region American Association for Agricultural Education Conference, Minneapolis, MN.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015). *Flipping an Undergraduate Capstone Course: Student Perceptions of their Experience in a TBL Formatted Course.* North Central Region American Association for Agricultural Education Conference, Minneapolis, MN

Mills, D., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics Training Received As Secondary Students Affect Teacher Competence.* North Central Region American Association for Agricultural Education Conference, Minneapolis, MN. **2nd Runner-up for Outstanding Research Paper**.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015). *Integrating Team-Based Learning in an Undergraduate Capstone Course: Advice from Larry Michaelsen.* Paper presented at the North American Colleges and Teachers of Agriculture Conference, Athens, GA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015). *Flipping an Undergraduate Capstone Course: Student Perceptions of their Experience in a TBL Formatted Course.* Paper presented at the North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Byrd, A., Stone, R., & **Anderson, R**. (2015). *Dexterity: An Indicator of Future Performance in Beginning Welders?* American Association for Agricultural Education Conference, San Antonio, TX.

Byrd, A., Stone, R., & **Anderson, R**. (2015). *The Use of Virtual Welding Simulators to Evaluate Experienced Welders.* American Association for Agricultural Education Conference, San Antonio, TX.

Clark, T., Paulsen, T. H., & **Anderson, R**. (2015). *Analyzing Student Teacher Critical Thinking Through Blogs in an Online Community of Practice*. American Association for Agricultural Education Conference, San Antonio, TX.

Paulsen, T. H., Clark, T., & **Anderson, R**. (2015). *Utilizing the tuning protocol to generate peer feedback during student teaching lesson plan development.* American Association for Agricultural Education Conference, San Antonio, TX.

Wells, T., Matthews, J., Caudle, L., Lunceford, C., Clement, B., & **Anderson, R**. (2015). *The infusion of inquiry-based learning into school-based agricultural education: A review of literature*. American Association for Agricultural Education Conference, San Antonio, TX.

Haynes, J.C., **Anderson, R.,** & Gill, B. (2015). *Utilizing a Delphi Study to Establish The Teaching Resources Needed For an Ideal Post-Secondary Applied STEM (Agricultural Mechanics) Learning Laboratory.* National Association for Research in Science Teaching Conference, Chicago, IL.

Wells, T., Matthews, J., Caudle, L**.,** Lunceford, C., Clement, B., & **Anderson, R**. (2015). *The Infusion of Inquiry-based Learning Into School-based Agricultural Education: A Review of Literature.* Oral Presentation presented at the Minorities in Agricultural, Natural Resources and Related Sciences National Conference, Houston, TX

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Reducing Beginning Welders' Anxiety by Integrating Virtual Reality Simulations.* Presentation presented at the Association for Career and Technical Education Research Conference, Nashville, TN.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Dexterity: An Indicator of Future Performance in Beginning Welders?* Presentation presented at the Association for Career and Technical Education Research Conference, Nashville, TN.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Reducing Beginning Welders' Anxiety by Integrating Virtual Reality Simulations.* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY., **Distinguished Manuscript 2nd place.**

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Dexterity: An Indicator of Future Performance in Beginning Welders?* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY., **Distinguished Manuscript 3rd place.**

McCubbins, O., **Anderson, R**. & Paulsen, T. (2014). *Teacher-perceived Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV.

Gent, N., Smith, T., **Anderson, R.,** & Paulsen, T. (2014). *The Relationship of Quality and Quantity of Agricultural Mechanics Training in Agricultural Post-Secondary Preparation in the State of [State].* North Central Region American Association for Agricultural Education Conference, Morgantown, WV.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *The Use of Virtual Welding Simulators to Evaluate Experienced Welders.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV. **Distinguished Manuscript, 2nd Place**

Paulsen, T. H., Clark, T., **Anderson, R**. (2014). *Utilizing the tuning protocol to generate peer feedback during student teaching lesson plan development.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV. **Outstanding Manuscript**

Stremsterfer, E., Tweeten, J., Byrd, A., **Anderson, R**. & Paulsen, T. (2014). *Teacher Perceptions of Appropriateness of Agricultural Mechanics Concepts taught in Secondary Agricultural Education Programs.* North Central Region American Association for Agricultural Education Conference, Morgantown, WV.

Wells, T., Matthews, J., Caudle, L., Lunceford, C., Clement, B., & **Anderson, R**. (2014). *The infusion of inquiry-based learning into school-based agricultural education: A review of literature.* Proceedings of the 2014 American Association for Agricultural Education Research Conference, North Central Region. Morgantown, WV.

Byrd, A., Stone, R., & **Anderson, R.** (2014). *Reducing Beginning Welders' Anxiety by Integrating Virtual Reality Simulations.* Western Region American Association for Agricultural Education Conference, Kona, HI. **Distinguished Manuscript**

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Dexterity: An Indicator of Future Performance in Beginning Welders?* Western Region American Association for Agricultural Education Conference, Kona, HI.

Byrd, A., **Anderson, R**., Paulsen, T., & Shultz, M. (2014). *Does the Number of Post-secondary Agricultural Mechanics Courses Completed Affect Teacher Competence?* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2014). *Phases of Beginning Teacher Development and the Relationship to Concerns Expressed by Agricultural Education Student Teachers.*
North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Byrd, A., **Anderson, R**., Paulsen, T., & Shultz, M. (2014). *Does the Number of Post-secondary Agricultural Mechanics Courses Completed Affect Teacher Competence?* American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Does Agricultural Mechanics Laboratory Size Affect Agricultural Education Teachers' Job Satisfaction?* American Association for Agricultural Education Conference, Salt Lake City, UT.

Tweeten, J., Paulsen, T., & **Anderson, R.** (2014). *Phases of Beginning Teacher Development and the Relationship to Concerns Expressed by Agricultural Education Student Teachers.*
American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, P., Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Does the Number of Post-secondary Agricultural Mechanics Courses Completed Affect Teacher Competence?* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Tweeten, J., Day, J. & **Anderson, R**. (2013). *Problem Based Learning in Agricultural Education: A Synthesis of Literature*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Wells, T., Parr, B. & **Anderson, R**. (2013). *Student Participants' Views of Mathematics Content Representation within Selected Alabama State FFA Career Development Events. Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.,* ***Distinguished Manuscript 3rd place.***

Byrd, P., Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Does the Number of Post-Secondary Agricultural Mechanics Courses Completed Affect Teacher Competence? Proceedings of the National Agricultural Mechanics Professional Development.* Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Manuscript 1st place.**

Byrd, P., Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Is There A Correlation Between Agricultural Mechanics Laboratory Size and Agricultural Education Teachers' Job Satisfaction and Enjoyment?* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.,

Han, G., Benson, C., & **Anderson, R**. (2013). *The Role of Multiple Intelligence Theory To Engage All Learners: A Synthesis of Literature.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2013). *Teacher Self-Efficacy and the Relationship to the Concerns Expressed by Agricultural Education Student Teachers.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Wells, T., & **Anderson, R.** (2013). *Kentucky Agricultural Education Teachers' Self-Reported Efforts to Integrate Mathematics Content within Secondary Agricultural Education Curricula: A Descriptive Survey Study.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Shultz, M., **Anderson, R**., Shultz, A., & Paulsen, T. (2013). *Importance and Capability of Teaching Agricultural Mechanics as Perceived by Secondary Agricultural Educators.* American Association for Agricultural Education Conference, Columbus, OH.

Wells, T., Perry, B., **Anderson, R**., Shultz, M., & Paulsen, T. (2013). *Does prior experience in secondary agricultural mechanics affect pre-service agricultural education teachers' intentions to enroll in post-secondary agricultural mechanics coursework?* American Association for Agricultural Education Conference, Columbus, OH.

Shultz, M., **Anderson, R**., Shultz, A., & Paulsen, T. (2012). *Importance and Capability of Teaching Agricultural Mechanics as Perceived by Secondary Agricultural Educators*. Association for Career and Technical Education Research, Atlanta, GA.

Shultz, M., **Anderson, R.,** Shultz, A., & Paulsen, T. (2012). *Importance and Capability of Teaching Agricultural Mechanics as Perceived by Secondary Agricultural Educators*. Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Indianapolis, IN. **Distinguished Manuscript 2nd place**.

Shultz, M., **Anderson, R**., Shultz, A & Paulsen, T. (2012). *Importance and Capability of Teaching Agricultural Mechanics as Perceived by Secondary Agricultural Educators.* North Central Region American Association for Agricultural Education Conference, Champaign, IL.

Silvey, M. & **Anderson, R.** (2011). *Perceptions of Administrators in [STATE] Secondary Schools Regarding the Integration of Mathematics into Agricultural Education.* Association for Career and Technical Education Research, St. Louis, Mo.

Perry, D., Williams, R., & **Anderson, R.** (2011). *Safety Conditions and Practices in Secondary Agricultural Mechanics Programs*. Proceedings of National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Silvey, M. & **Anderson, R.** (2011). *Perceptions of Administrators in [STATE] Secondary Schools Regarding the Integration of Mathematics into Agricultural Education.* North Central Region American Association for Agricultural Education Conference, University Park, PA.

Perry, D., Williams, R., & **Anderson, R**. (2011). Safety Conditions and Practices in Secondary Agricultural Mechanics Programs. North Central Region American Association for Agricultural Education Conference, University Park, PA.

Anderson, S., Velez, J., & **Anderson, R**. (2011). *Examination of the Welding Safety Beliefs of Postsecondary Agriculture Students*. American Association for Agricultural Education Conference, Coeur D'Alene, ID.

Saucier, R., Vincent, S., & **Anderson, R.** (2011). *Agricultural Mechanics Laboratory Safety: Professional Development Needs of [State] School-Based Agricultural Educators.* American Association for Agricultural Education Conference, Coeur D'Alene, ID.

Anderson, S., Velez, J., & **Anderson, R.** (2011). *Examination of the Welding Safety Beliefs of Postsecondary Agriculture Students*. Western Region of American Association for Agricultural Education Conference, Fresno, CA.

Saucier, R., Vincent, S., & **Anderson, R.** (2011). *Agricultural Mechanics Laboratory Safety: Professional Development Needs of [State] School-Based Agricultural Educators.* Southern Region of American Association for Agricultural Education Conference, Corpus Christi, TX.

Anderson, R., & Miller, R. (2010). *Self-Reported Level of Mathematics Integration of Virginia Agricultural Educators.* Eastern Educators Research Association Conference, Savannah. GA.

Anderson, R. & Anderson, S. (2009). *Emerging Themes in Integrating Mathematics into Agricultural Education: A Qualitative Study of Star Teachers in Virginia.* Southern Region American Association for Agricultural Education Conference, Atlanta, GA.

Anderson, R., Williams, B., & Hillison, J. (2009). *Attitudes Toward Mathematics Integration*

and Related Professional Development Needs of Outstanding Agricultural Education Instructors. Southern Region American Association for Agricultural Education Conference, Atlanta, GA.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R.** (2009). *Program Management In-Service Needs of Alternatively Licensed Beginning Career and Technical Education Teachers.* Eastern Educators Research Association Conference, Sarasota, FL.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R.** (2009). *Teaching and Learning In-Service Needs of Alternatively Licensed Beginning Career and Technical Education Teachers.* Eastern Educators Research Association Conference, Sarasota, FL.

Anderson, R., Peake, W. & Massey, J. (2008). *First-Year Undergraduates' knowledge and use of Global Positioning Systems*. National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Anderson, R., & Hillison, J. (2008). *Attitudes and Needs of Outstanding Agricultural Education Instructors Regarding Mathematics Integration.* American Association for Agricultural Education Conference, Reno, NV.

Anderson, R., Williams, R., & Hillison, J. (2008). *Self-Reported Level of Mathematics Integration of Outstanding Virginia Agricultural Educators.* Southern Region American Association for Agricultural Education Conference, Dallas, TX.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R.** (2008). Needs of Southern Ohio alternatively licensed career & technical Education teachers. Paper presented at the Appalachian Studies Conference. Huntington, WV

Anderson, R. & Driskill, D. (2007). *Level of Mathematics Integration of Outstanding Virginia Agricultural Educators.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Miller, R., Seibel, A., **Anderson, R**., & Swafford, M. (2007). *Student Perceptions of Preparation for the Benefit of FFA Career Development Events on Future Employment in the Field of Agriculture.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Cannon, J., Broyles, T., **Anderson, R**., & Siebel, G. (2007). *Summer Enrichment Programs: Providing Agricultural Literacy and Career Exploration to Gifted and Talented Students*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Miller, R., **Anderson, R**., Swafford, M., & Seibel, G. (2007). *Student Perceptions of Preparation for and the Benefit of FFA Career Development Events and Classroom Preparation at the State Level.* North American Colleges and Teachers of Agriculture Conference, Champaign, IL.

Anderson, R., Miller, R., Williams, B., Swafford, M., & Cannon, J. (2007). *Gender differences among agricultural education instructors toward information technology.* North American Colleges and Teachers of Agriculture Conference, Champaign, IL.

Anderson, R., Miller, R., & Cannon, J. (2007). *Gender differences among agricultural education instructors toward information technology.* Eastern Educators Research Association Conference, Clearwater. FL.

Cannon, J., & **Anderson, R**. (2007). *Factors influencing college choices of gifted and talented students.* Eastern Educators Research Association Conference, Clearwater. FL.

Miller, R., **Anderson, R**., & McCroskey, M. (2007). *Dual-Enrollment Horticulture Classes: An Articulation Agreement Between Virginia's High School Agricultural Education Programs and Community Colleges.* Eastern Educators Research Association Conference, Clearwater. FL.

Miller, R., **Anderson, R**., Swafford, M., & Seibel, G. (2007). *Student Perceptions of Preparation for and the Benefit of FFA Career Development Events on Future Employment in the Field of Agriculture.* Southern Region American Association for Agricultural Education Conference, Mobile, AB.

Miller, R., **Anderson, R**., Swafford, M., & Seibel, G. (2007). *Student Perceptions of Preparation for and the Benefit of FFA Career Development Events and Classroom Preparation at the State Level.* Southern Region American Association for Agricultural Education Conference, Mobile, AB.

Anderson, R., & Miller, R. (2006). *Agricultural Instructors' Attitude Toward Information Technology.* Eastern Educators Research Association Conference, Hilton Head, S.C.

Miller, R., & **Anderson, R**. (2006). *Instructor Perceptions of Communication in Online Courses*. Eastern Educators Research Association Conference, Hilton Head, S.C.

Miller, R., & **Anderson, R** (2006). *Instructor Perceptions of Communication in Online Courses*. Southern Region American Association of Agricultural Education Conference, Orlando, FL.

REFERREED RESEARCH POSTER PRESENTATIONS

Cruz, J. & **Anderson, R**. (2026). *Do I have the Tools to Teach? Investigation of the Relationship Between Importance and the Tools available to Teach Electricity.* American Association for Agricultural Education Conference, St. Petersburg, FL.

Parks, S., **Anderson, R**., & Perry, D. (2026). *Examining the Impact of a Small Gas Engine Workshop on SBAE Educators' Perceived Knowledge to Teach Small Gas Engines.* American Association for Agricultural Education Conference, St. Petersburg, FL.

Parks, S., **Anderson, R**., & Perry, D. (2026). *Determining the Impact of a Small Gas Engine Workshop on the Importance to Teach.* American Association for Agricultural Education Conference, St. Petersburg, FL.

Parks, S., **Anderson, R**., & Perry, D. (2026). *Investigating the Effects of a Small Gas Engine Workshop on SBAE Educators' Perceived Ability to Teach Small Gas Engines.* American Association for Agricultural Education Conference, St. Petersburg, FL.

Schultz, J. & **Anderson, R**. (2026). *The Relationship Between the Quality of Post-Secondary Electricity Training of School-Based Agricultural Education Teachers and Perceived Importance to Teach Electricity!* American Association for Agricultural Education Conference, St. Petersburg, FL.

Schultz, J. Kornegay, K., & **Anderson, R**. (2026). *Identifying the Amount of Post-Secondary Electrical Training Received by School Based Agricultural Education Teachers.* American Association for Agricultural Education Conference, St. Petersburg, FL. **Top Ten Poster.**

Carpenter, D. & **Anderson, R.** (2026). *The Relationship Between Importance of Post-Secondary Electricity Training of School-Based Agricultural Education Teachers and their Knowledge*! Southern American Association for Agricultural Education Conference, Louisville, KY.

Cruz, J. & **Anderson, R**. (2026). *The Relationship Between the Quality of Post-Secondary Electricity Training of School-Based Agricultural Education Teachers and The Tools!* Southern American Association for Agricultural Education Conference, Louisville, KY.

Elrod, K. & **Anderson, R**. (2026). *Exploring the Relationship Between Agricultural Mechanics Educators' Perceived Importance of Teaching Electricity and Ability to Teach!* Southern American Association for Agricultural Education Conference, Louisville, KY.

Schultz, J. & **Anderson, R**. (2026). *The Relationship Between the Quality of Post-Secondary Electricity Training of School-Based Agricultural Education Teachers and Perceived Importance to Teach Electricity!* Southern American Association for Agricultural Education Conference, Louisville, KY.

Kornegay, K. & **Anderson, R**. (2025). *Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Perform Electrical Skills.* Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Student Research Abstract.**

Massey, M., **Anderson, R**. & Kornegay, K. (2025). *Teacher-perceived Adequacy of Tools and*

Equipment Available to Teach Electricity. Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Undergraduate Research Abstract.**

Parks, S., **Anderson, R**., & Perry, D. (2025). *Evaluating the Impact of a Small Gas Engine Workshop on SBAE Teachers Knowledge to Teach.* Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Parks, S., **Anderson, R.,** & Perry, D. (2025). *Determining the Impact of a Small Gas Engine Workshop on the Importance to Teach Small Gas Engines.* Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Parks, S., **Anderson, R**., & Perry, D. (2025). *Exploring the Impact of a Small Gas Engine Workshop on SBAE Teachers Ability to Perform Small Gas Engine Skills.* Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Schultz, J. Kornegay, K., & **Anderson, R**. (2025). *Identifying the Amount of Post-Secondary Electrical Training Received by School Based Agricultural Education Teachers.* Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Research Poster. Outstanding Undergraduate Research Abstract.**

Massey, M., **Anderson, R**. & Kornegay, K. (2025). Teacher-perceived Adequacy of Curriculum to Teach Agricultural Mechanics to Teach Electricity. Western American Association for Agricultural Education Conference, San Marcos, TX.

Parks, S., **Anderson, R**., & Perry, D. (2025). *Evaluating the Impact of a Small Gas Engine Workshop on SBAE Teachers Knowledge to Teach.* Western American Association for Agricultural Education Conference, San Marcos, TX. **Top Ten Poster.**

Parks, S., **Anderson, R**., & Perry, D. (2025). *Determining the Impact of a Small Gas Engine Workshop on the Importance to Teach Small Gas Engines.* Western American Association for Agricultural Education Conference, San Marcos, TX.

Parks, S., **Anderson, R**., & Perry, D. (2025). *Exploring the Impact of a Small Gas Engine Workshop on SBAE Teachers Ability to Perform Small Gas Engine Skills.* Western American Association for Agricultural Education Conference, San Marcos, TX.

Schultz, J. Kornegay, K., & **Anderson, R**. (2025). *Identifying the Amount of Post-Secondary Electrical Training Received by School Based Agricultural Education Teachers.* Western American Association for Agricultural Education Conference, San Marcos, TX

Borges, B., Drewery, M. **& Anderson, R.** (2025). Women of Welding Participant's sense of belonging in the welding industry. American Association for Agricultural Education Conference, Lubbock, TX.

Kornegay, K. & **Anderson, R**. (2025). *Evaluating the Impact of an Electricity Workshop on SBAE Teachers Knowledge to Teach.* American Association for Agricultural Education Conference, Lubbock, TX.

Kornegay, K. & **Anderson, R**. (2025). *Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Perform Electrical Skills.* American Association for Agricultural Education Conference, Lubbock, TX. American Association for Agricultural Education Conference, Lubbock, TX.

Schultz, J. Kornegay, K., & **Anderson, R**. (2025). *Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Teach Electrical Skills.* American Association for Agricultural Education Conference, Lubbock, TX.

Kornegay, K. & **Anderson, R**. (2025). *Determining the Impact of an Electricity Workshop on the Importance to Teach Electricity.* Southern American Association for Agricultural Education Conference, Irving, TX.

Kornegay, K. & **Anderson, R**. (2025). *Evaluating the Impact of an Electricity Workshop on SBAE Teachers Knowledge to Teach.* Southern American Association for Agricultural Education Conference, Irving, TX.

Kornegay, K. & **Anderson, R**. (2025). *Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Perform Electrical Skills.* Southern American Association for Agricultural Education Conference, Irving, TX.

Massey, M., **Anderson, R**. & Kornegay, K. (2025). *Teacher-perceived Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics to Teach Electricity*. Southern American Association for Agricultural Education Conference, Irving, TX.

Schultz, J. Kornegay, K., & **Anderson, R**. (2025). *Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Teach Electrical Skills.* Southern American Association for Agricultural Education Conference, Irving, TX.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2024). *Assessing the influence of welding sequence training on student performance.* American Association for Agricultural Education Conference, Manhattan, KS.

Borges, B., Drewery, M. **& Anderson, R.** (2023). Women of Welding Participant's sense

of belonging in the welding industry. Proceedings from the 42nd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Research Poster**

Anderson, R., Morrish, D., & Garza. L. (2023). *Determining the Impact of the Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Proceedings from the 42nd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Research Poster.**

Anderson, R., Morrish, D., & Keith, M. (2023). *Determining the Impact of a Welding Workshop on a Teacher's Ability to Teach Welding.* Proceedings from the 42nd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Research Poster.**

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2023). *Evaluation of Welding Assessment Scores Using Triangulation.* American Association for Agricultural Education Conference, Raleigh, NC.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford, M. (2023). *Evaluating Self-Assessed and CWI Welding Scores by Gender.* Southern American Association for Agricultural Education Conference, Raleigh, NC.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Keith, M., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of a Welding Workshop on a Teacher's Ability to Teach Welding.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Heibel, B., **Anderson, R.,** & Swafford, M. (2022). *Integrating Virtual Reality into Beginning Welder Training Sequences.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Kornegay, K., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of Professional Development on the Importance to Teach Welding*. Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Research Poster**

Ramos, J., Borges, B., & **Anderson, R**. (2022) *Identifying Teacher's Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development Workshop.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Ramos, J., Borges, B., & **Anderson, R.** (2022) *Identifying Teacher's Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development Workshop.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Thornburgh, J., **Anderson, R.,** & Drewery, M. (2022*). Service-learning positively impacts college students' professional development*. Western Section of American Association of Animal Scientists. Park City, UT.

Anderson, R.G., Saucier, P.R. Byrd, A.P., White, P.T., & Leamon, C.L. (2022). *Identifying the Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* American Society of Agricultural and Biological Engineers International Meeting. Houston, TX.

Anderson, K., **Anderson, R.,** & Byrd, P. (2022). *Effects of a Professional Development Session on Career and Technical Education Teachers' Perceptions of Importance, Competence, Curriculum Availability, and Ability to Teach Two-Stroke Engine Theory and Safety*. American Association for Agricultural Education Conference, Oklahoma City, OK.

Byrd, A., **Anderson, R.,** White, P., Saucier, P., & Leamon, C. (2022). *Effects of a Professional Development Session on Career and Technical Education Teachers' Knowledge to Teach Small Gas Engines*. American Association for Agricultural Education Conference, Oklahoma City, OK.

Garza, L., **Anderson, R.,** Sykora, R., Borges, B., & Swafford. M. (2022). *Determining the professional development needs of students using an Augmented Reality welding system.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Boedeker, S., **Anderson, R.,** Morrish, D., & Heibel, B. (2022). *Identifying the Tools and Equipment Available to Teach Welding.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the*

Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld. Texas State University Undergraduate Research Conference, San Marcos, TX.

Hutson, K., **Anderson, R.,** Morrish, D. & Sykora, R. (2022). *Determining the Impact of the Agricultural Mechanics Academy of Teachers' Knowledge of Welding.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Keith, M., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of a Welding Workshop on a Teacher's Ability to Teach Welding.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Kornegay, K., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of Professional Development on the Importance to Teach Welding*. Texas State University Undergraduate Research Conference, San Marcos, TX.

Ramos, J., **Anderson, R.,** Heibel, B., Borges, B., & Swafford, M. (2022). *Identifying the relationship between virtual assisted welding instruction and welding performance.* Texas State University Undergraduate Research Conference, San Marcos, TX.

Boedeker, S., **Anderson, R.,** Morrish, D., & Heibel, B. (2022). *Identifying the Tools and Equipment Available to Teach Welding.* Agricultural Consortium of Texas Conference, Abilene, TX.

Garza, L., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of the Agricultural Mechanics Academy on School-Based Agricultural Education Teachers Ability to Weld.* Agricultural Consortium of Texas Conference, Abilene, TX.

Garza, L., **Anderson, R.,** Sykora, R., Borges, B., & Swafford. M. (2022). *Determining the professional development needs of students using an Augmented Reality welding system.* Agricultural Consortium of Texas Conference, Abilene, TX. **First Place Undergraduate Poster.**

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Using Virtual Reality to Determine Professional Development Needs of Beginning Welders.* Agricultural Consortium of Texas Conference, Abilene, TX. **Second Place Graduate Poster.**

Keith, M., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of a Welding Workshop on a Teacher's Ability to Teach Welding.* Agricultural Consortium of Texas Conference, Abilene, TX. **Third Place Undergraduate Poster.**

Kornegay, K., **Anderson, R**., Morrish, D., & Heibel, B. (2022). *Determining the Impact of Professional Development on the Importance to Teach Welding*. Agricultural Consortium of Texas Conference, Abilene, TX.

Ramos, J., **Anderson, R.,** Heibel, B., Borges, B., & Swafford, M. (2022). *Identifying the*

relationship between virtual assisted welding instruction and welding performance. Agricultural Consortium of Texas Conference, Abilene, TX.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Assessing the influence of welding sequence training on student performance.* Agricultural Consortium of Texas Conference, Abilene, TX. **First Place Graduate Poster.**

Anderson, R., Drewery, M., Garza, G. & Heibel, B. (2022). *Covid-19 Impacts on Faculty Career Outlook: Faculty Teaching Agricultural Sciences.* Texas State University Health Scholars Showcase. San Marcos, TX.

Anderson, R., Heibel, B., & Byrd, A. (2022). *Reducing Beginning Welders' Anxiety by Integrating Virtual Reality Simulations*. Texas State University Health Scholars Showcase. San Marcos, TX.

Drewery, M., & **Anderson, R.** (2022). *Challenges Faced by Veterinary Technicians During Covid-19. Texas State University Health Scholars Showcase*. San Marcos, TX.

Ramos, J., Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Identifying the relationship between virtual assisted welding instruction and welding performance.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Evaluation of Welding Assessment Scores Using Triangulation.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

York, K., **Anderson, R.,** Borges, B., & Swafford, M. (2022). *Evaluating Self-Assessed and CWI Welding Scores by Gender.* Southern American Association for Agricultural Education Conference, New Orleans, LA.

Rowe, Z., Tasci, K., Russo,. C., **Anderson, R**., & Drewery, M. (2021). *The effect of the COVID-19 pandemic on veterinary technicians. Western Region American Association of Animal Scientists Conference. Fort Collins, CO.*

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Using Virtual Reality to Determine Professional Development Needs of Beginning Welders.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Research Poster**

Ramos, J., Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Identifying the relationship between virtual assisted welding instruction and welding performance.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Research Poster**

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Assessing the influence of welding sequence training on student performance.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Research Poster**

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Training Beginning Welders Using Virtual Reality Simulations.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Assessing the influence of welding sequence training on student performance.* Association of Career and Technical Education Research Conference, New Orleans, LA.

York, K., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Evaluating Self-Assessed and CWI Welding Scores by Gender.* Association of Career and Technical Education Research Conference, New Orleans, LA.

Garza, L., Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Determining the professional development needs of students using an Augmented Reality welding system.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Heibel, B., **Anderson, R.,** Borges, B., & Swafford, M. (2021). *Training Beginning Welders Using Virtual Reality Simulations.* Western American Association for Agricultural Education Conference, Bozeman, MT.

White, P.T., **Anderson, R.G**., Saucier, P.R. Byrd, A.B., & Leamon, C.L. (2021). *Perceptions of Curriculum Availability for Career and Technical Education Teachers to Teach Small Gas Engine Technology in Secondary Schools.* North-Central American Association for Agricultural Education Conference, Columbus, OH.

Anderson, R.G., Saucier, P.R. Byrd, A.B., White, P.T., & Leamon, C.L. (2020). *Identifying the Tools and Equipment Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

White, P. T., **Anderson, R.G.,** Saucier, P.R., Byrd, A.P., & Leamon, C. L. (2020). *Identifying The Curriculum Available for Career and Technical Education Teachers to Teach Small Gas Engines Skills.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Research Poster**

Swafford, M., & **Anderson, R.** (2020*). Prevalence of Safety Color Coding in New Mexico Secondary Agricultural Mechanics Laboratories.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Research Poster**

Leamon, C.L., Saucier, P.R., **Anderson, R.G**., Byrd, A.P. & White, P.T. (2020). *An evaluation of the Briggs and Stratton small gas engine technology workshop: A national evaluation of teacher professional development needs.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Leamon, C.L., Saucier, P.R., **Anderson, R.G**., Byrd, A.P. & White, P.T. (2019). *An evaluation of the Briggs and Stratton small gas engine technology workshop: A national evaluation of teacher professional development needs.* Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Research Poster**

Swafford, M. & **Anderson, R.** (2019). *Perceived Preparedness and Teaching Efficacy: A Mirrored Relationship.* Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Research Poster**

Swafford, M. & **Anderson, R.** (2019). *The Relationship Between Metacognitive Awareness and Self-Regulated Learning.* Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Anderson, K., Anderson, R., & Byrd, P. (2019). *Effects of a Professional Development Session on Career and Technical Education Teachers' Perceptions of Importance, Competence, Curriculum Availability, and Ability to Teach Two-Stroke Engine Theory and Safety*. Western American Association for Agricultural Education Conference, Anchorage, AK.

Swafford, M. & **Anderson, R.** (2019). *Help-Seeking in Online Learning Environments.* American Association for Agricultural Education Conference, Des Moines, IA.

Swafford, M. & **Anderson, R.** (2019). *Perceived Preparedness and Teaching Efficacy: A Mirrored Relationship.* American Association for Agricultural Education Conference, Des Moines, IA.

Swafford, M. & **Anderson, R.** (2019). *The Relationship Between Metacognitive Awareness and Self-Regulated Learning.* American Association for Agricultural Education Conference, Des Moines, IA.

Swafford, M., Logemann, L., & **Anderson, R.** (2019). *Exploring the Relationship Between Job*

Engagement and Professional Commitment Among Agriculture Teachers. American Association for Agricultural Education Conference, Des Moines, IA.

Byrd, P., **Anderson, R.** & Saucier, R. (2018). *Injuries and Other Accidents Sustained In An Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students.* American Association for Agricultural Education Conference, Charleston, SC.

Byrd, P., **Anderson, R.,** & Saucier, P.R. (2017). *Injuries and Other Accidents Sustained In An Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students*. Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Byrd, P., **Anderson, R.** & Saucier, R. (2017). *Laboratory Management Professional Development Needs of Iowa Secondary Agricultural Education Teachers.* North Central American Association for Agricultural Education Conference, Ames, IA.

Byrd, P., **Anderson, R.** & Saucier, R. (2017). *Injuries and Other Accidents Sustained In An Agricultural Mechanics Laboratory by Iowa Secondary Agricultural Education Students.* North Central American Association for Agricultural Education Conference, Ames, IA.

Sperfslage, A. & **Anderson, R.** (2017). *Student Teachers Efficacy to Teach Value-Added Agricultural Commodities.* North Central American Association for Agricultural Education Conference, Ames, IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R.** (2017*). Student Engagement in a Team-Based Learning Capstone Course: A Comparison of What Students Do and What Instructors Value*. The International Team-Based Learning Collaborative Conference, Orlando, FL.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2017). *An Examination of Student Perceptions Concerning Their Experience Working in Teams before and After a Team-Based Learning Capstone Course.* The Team-Based Learning Collaborative International Conference, Orlando, FL.

Byrd, P., **Anderson**, R., & Saucier, R. (2016). *Secondary Agricultural Education Student Injuries and Other Accidents Sustained In an Agricultural Mechanics Laboratory*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Anderson, R., Byrd, P., & Saucier, R. (2016). *Laboratory Management Professional Development Needs of Iowa Secondary Agricultural Education Teachers*. North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Figland, W., & **Anderson, R**. (2016). *Agricultural Mechanics Skills Possessed by Pre-service*

Agricultural Education Students. American Association for Agricultural Education Conference, Kansas City, MO.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016). *Examining student engagement in a flipped classroom.* American Association for Agricultural Education Conference, Kansas City, MO.

Swafford, M., **Anderson, R.,** & Johnson, R. (2016). *A content analysis of the research published in the Journal of Agricultural Education.* American Association for Agricultural Education Conference, Kansas City, MO.

Haynes, J.C., **Anderson, R.,** & Gill, B. (2015). *Utilizing a Delphi Study to Establish The Teaching Resources Needed For an Ideal Post-Secondary Applied STEM (Agricultural Mechanics) Learning Laboratory.* Proceedings of the National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Gent, N., Smith, T., **Anderson, R**., & Paulsen, T. (2015). *The Relationship of Quality and Quantity of Agricultural Mechanics Training in Agricultural Post-Secondary Preparation in the State of Iowa.* North American Colleges and Teachers of Agriculture Conference, Athens, GA.

McCubbins, OP, Paulsen, T., & **Anderson, R**. (2015). *Student perceptions of their experience in a flipped undergraduate capstone course*. American Association for Agricultural Education Conference, San Antonio, TX. **Distinguished Research Poster**

Mills, D., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics Training Received As Secondary Students Affect Teacher Competence.* American Association for Agricultural Education Conference, San Antonio, TX.

Paulsen, T., Retallick, M., **Anderson, R**., & Dollisso, A. (2014). *Environmental Learner Outcomes Assessment: How do [Department] Students Compare to National Norms?* American Association for Agricultural Education Conference, San Antonio, TX.

Rasty, J., **Anderson, R**., & Paulsen, T. (2015). *Does the Quantity of Agricultural Mechanics Training Received At The Secondary Level Impact Teacher Perceived Importance of Agricultural Mechanics Skills?* American Association for Agricultural Education Conference, San Antonio, TX.

Tweeten, J., Byrd, A., **Anderson, R.,** & Paulsen, T. (2014). *Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers.* Association for Career and Technical Education Research Conference, Nashville, TN.

Stremsterfer, E., McCubbins, O., **Anderson, R**. & Paulsen, P. (2014). *The Relationship of the Adequacy of Tools and Equipment to Perceived Competency to Teach Agricultural Mechanics Topics in High School Agricultural Mechanics Laboratories in [STATE].* Association for Career and Technical Education Research Conference, Nashville, TN.

Smith, T., **Anderson, R**., & Paulsen, T. (2014). *Teacher Perceptions of the Quantity of Agricultural Mechanics Preparation Received at the University Level.* Association for Career and Technical Education Research Conference, Nashville, TN.

Tweeten, J., Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Gender Influences in Agricultural Education Teachers Competence to Teach Electrical Skills.* Association for Career and Technical Education Research Conference, Nashville, TN. **Outstanding Research Poster**

Tweeten, J., Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Research Poster 3rd place.**

Tweeten, J., Byrd, A., **Anderson, R**., & Paulsen, T. (2014). *Gender Influences in Agricultural Education Teachers Competence to Teach Electrical Skills.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Research Poster 2nd place.**

Paulsen, T., Retallick, M., **Anderson, R**., & Dollisso, A. (2014). *Environmental Learner Outcomes Assessment: How do [Department] Students Compare to National Norms?* North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Tweeten, J. F., Byrd, A. P**.**, **Anderson, R. G**., & Paulsen, T. H. (2014). *Gender Influence in Agricultural Education Teachers Competence to Teach Electrical Skills.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA. **Distinguished Research Poster, 2nd Place**

Tweeten, J. F., Byrd, A. P., **Anderson, R. G**., & Paulsen, T. H. (2014). *Comparison of Teacher Competence in Agricultural Mechanics among Traditionally and Alternatively Certified Agricultural Education Teachers.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Utilizing Dexterity to Predict Future Performance of Beginning Welders.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Smith, T., **Anderson, R**., & Paulsen, T. (2014). *Teacher Perceptions of the Quantity of Agricultural Mechanics Preparation Received at the University Level.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT. **Outstanding Graduate Student Research Poster 1st place.**

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Utilizing Dexterity to Predict Future Performance of Beginning Welders.* American Association for Agricultural Education Conference, Salt Lake City, UT. **Distinguished Research Poster.**

Smith, T., Paulsen, T., & **Anderson, R**. (2014). *Generating Peer Feedback in Student Teaching: Utilizing the Tuning Protocol.* American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, A., Shultz, M., & **Anderson, R**. (2013). *Financial Impact of the VRTEX 360: Is Virtual Reality a Cost-effective Solution in the Agricultural Mechanics Laboratory?* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2013). *Utilizing Twitter as a Communication Tool for Expressing Concerns of Agricultural Education Student Teachers.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Wells, T., Parr, B., & **Anderson, R**. (2013). *An Assessment of Pre-service Agricultural Educators' Aptitudes in Solving Contextualized Mathematics Problems.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Wells, T., Parr, B., & **Anderson, R**. (2013). *Are They Competent? An Evaluation of Post-Secondary Agricultural Education Students' Agricultural Mechanics Knowledge. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.*

Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Teacher Perceptions of Quality of University-level Pre-service Agricultural Mechanics Instruction.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Distinguished Research Poster 2nd place.**

McCubbins, OP., Wells, T., **Anderson, R**., & Paulsen, T. (2013). *Teacher-perceived Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Byrd, P., **Anderson, R**., & Paulsen, T. (2013). *Is Agricultural Mechanics Competency Affected By The Number Of Post-secondary Course Completed?* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Byrd, A., Shultz, M., & **Anderson, R**. (2013). *Financial Impact of the VRTEX 360: Is Virtual Reality a Cost-effective Solution in the Agricultural Mechanics Laboratory?* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

McCubbins, OP., Wells, T., **Anderson, R**., & Paulsen, T. (2013). *Teacher-perceived Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Tweeten, J., Paulsen, T., & **Anderson, R**., (2013). *Phases of Beginning Teacher Development and the Relationship to Concerns Expressed by Agricultural Education Student Teachers.* North Central Region American Association for Agricultural Education Conference, Platteville, WI.

Shultz, M., **Anderson, R**., & Paulsen, T. (2013). *Teacher Perceptions of Quality of University-level Pre-service Agricultural Mechanics Instruction*. North American Colleges and Teachers of Agriculture Conference, Blacksburg, VA.

Byrd, A., Shultz, M., & **Anderson, R**. (2013). *Financial Impact of the VRTEX 360: Is Virtual Reality a Cost-effective Solution in the Agricultural Mechanics Laboratory?* North American Colleges and Teachers of Agriculture Conference, Blacksburg, VA.

Shultz, M., **Anderson, R.**, & Paulsen, T. (2013). *Mechanics-Related In-Service Needs of Iowa Agriculture Teachers: Does Teaching Experience Matter?* American Association for Agricultural Education Conference, Columbus, OH.

Tweeten, J., Paulsen, T., & **Anderson, R**. (2013). *Utilizing Twitter as a Communication Tool for Expressing Concerns of Agricultural Education Student Teachers.* American Association for Agricultural Education Conference, Columbus, OH.

Campo, D., Shultz, M., & **Anderson, R**., (2012). *Student Competency Levels Entering Post-Secondary Introductory Agricultural Mechanics Courses*. Association of Career and Technical Education Research Conference, Atlanta, GA.

Shultz, M., **Anderson, R**., Shultz, A & Paulsen, T. (2012). *Mechanics-Related In-service Needs of Iowa Agriculture Teachers: Does Teaching Experience Matter?* Association of Career and Technical Education Research Conference, Atlanta, GA. **Outstanding Poster Award, 2nd place.**

Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *Mechanics-Related In-service Needs of Iowa Agriculture Teachers: Does Teaching Experience Matter?* North Central Region American Association for Agricultural Education Conference, Champaign, IL. **2nd place student research poster.**

Perry, D., Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *The Relationship between the Amount of Agricultural Mechanics Training and Skills Received at the Secondary and Post-secondary Levels.* North Central Region American Association for Agricultural Education Conference, Champaign, IL.

Campo, D., Shultz, M., & **Anderson, R.**, (2012). *Student Competency Levels Entering Post-Secondary Introductory Agricultural Mechanics Courses.* American Association for Agricultural Education Conference, Asheville, N.C.

Campo, D., Shultz, M., & **Anderson, R**., (2012). *Student Competency Levels Entering Post-Secondary Introductory Agricultural Mechanics Courses.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL.

Shultz, M., **Anderson, R**., Anderson, S., & Velez, J. (2012). *Safety Analysis of Post-Secondary Students Enrolled in Welding Courses: Does Past Experience Affect Safety Attitudes and Behaviors?* Southern Region American Association for Agricultural Education Conference, Birmingham, AL.

Perry, D., Williams, R., & **Anderson, R**. (2011). *Comparison of Personal Protection Equipment Availability and Usage in Selected Secondary Agricultural Mechanics Programs.* Iowa Educational Research and Evaluation Association Conference, Ames, IA.

Shultz, M, **Anderson, R**., & Anderson, S. (2011). *Safety Analysis of Post-Secondary Students Enrolled in Welding Courses: Does Past Experience Affect Safety Attitudes and Behaviors?* Iowa Educational Research and Evaluation Association Conference, Ames, IA.

Perry, D., Williams, R., & **Anderson, R**. (2011). *Comparison of Personal Protection Equipment Availability and Usage in Selected Secondary Agricultural Mechanics Programs.* Association of Career and Technical Education Research Conference, St. Louis, MO.

Anderson, R., Peake, W., & Massey, J. (2010). *Incoming Undergraduate's Self-Reported Usage of Global Positioning Systems*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Crouch, D., Silvey, M., **Anderson, R**., & Driskill, D. (2010). *Determining Post-Secondary Agricultural Students Mechanics Skill Prior to Enrollment to An Introductory Mechanics Course*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Gossett, J., **Anderson, R**., & Driskill, D. (2010). *Kentucky Agricultural Education Teachers' Attitudes Toward Mathematics Integration*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Kass, K., **Anderson, R**., & Driskill, D. (2010). *An Agricultural Mechanics Laboratory Needs Assessment.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary Schools Regarding Student Enrollment and Integrated Mathematics.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary Schools Regarding Agriculture Program Support.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Totty, C., **Anderson, R**., & Driskill, D. (2010). *Agricultural Mechanics Skills Needed For Beginning Teachers In Secondary Agricultural Education*. Association of Career and Technical Education Research Conference, Las Vegas, NV.

Anderson, R., Peake, W. & Massey, J. (2009). *First-Year Undergraduates' knowledge and use of Global Positioning Systems*. Southern Region American Association for Agricultural Education Conference, Atlanta, GA.

Swafford, M., & **Anderson, R**. (2009). *Citation Analysis of the Journal of Southern Agricultural Education Research*. Southern Region American Association for Agricultural Education Conference, Atlanta, GA.

Anderson, R., Peake, W. & Massey, J. (2008). *First-Year Undergraduates' knowledge and use of Global Positioning Systems*. National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Anderson, R., Miller, R., Williams, R., Swafford, M., & Brooks, K. (2008). *Gender differences among agricultural education instructors toward information technology.* Southern Region American Association for Agricultural Education Conference, Dallas, TX.

Cannon, J., Sturgeon, D., Duncan, D., & **Anderson, R**. (2007). *Needs of Southern Ohio Alternatively Licensed Career & Technical Education Teachers.* Appalachian Studies Conference, Huntington, WV.

Anderson, R., Miller, R., Williams, R., Swafford, M., & Cannon, J. (2007). *Gender differences among agricultural education instructors toward information technology.* Association of Career and Technical Education Research Conference, Las Vegas, NV.

Miller, R., **Anderson, R**., & McCroskey, M. (2007). *Dual-Enrollment Horticulture Classes: An Articulation Agreement between Virginia's High School Agricultural Education Programs and Community Colleges.* Association of Career and Technical Education Research Conference, Las Vegas, NV. **Outstanding Poster Award, 3rd place.**

Anderson, R. & Driskill, D. (2007). *Level of Mathematics Integration of Outstanding Virginia Agricultural Educators.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Anderson, R., Miller, R., Swafford, M. & Anderson S. (2007). *Spanish For The Agricultural Industry.* North American Colleges and Teachers of Agriculture Conference, Champaign, IL.

Miller, R., **Anderson, R**., & McCroskey, M. (2007). *Dual-Enrollment Horticulture Classes: An Articulation Agreement between Virginia's High School Agricultural Education Programs and Community Colleges.* North American Colleges and Teachers of Agriculture Conference, Champaign, IL.

Anderson, R. (2007). *Student Achievement in Agricultural Education*. OMEGA Conference. Indianapolis, IN.

Cannon, J., Quillen, B., Sturgeon, D., & **Anderson, R**. (2007). *Route B Licensure: Developing Qualified CTE Teachers for the Appalachia Region of Southern Ohio*. Appalachian Studies Conference, Maryville, TN.

Anderson, R., & Cannon, J. (2006). *Career Interest in Agriculture of the 2004 Class of the Virginia Governor's School for Agriculture.* Southern Region American Association for Agricultural Education Conference, Orlando, FL.

Miller, R., Siebel A., & **Anderson, R**. (2006). *Maximizing Students Quality of Life by Utilizing Career Development Events*. Southern Region American Association for Agricultural Education Conference, Orlando, FL.

Cannon, J., & **Anderson, R**. (2006). *Perceptions of Agriculture by the 2004 Class of the Virginia Governor's School for Agriculture.* Virginia Tech School of Education Student Association Research Symposium, Blacksburg, VA.

Cannon, J., & **Anderson, R**. (2006). *Independent Group Projects for the Virginia Governor's School for Agriculture.* Virginia Tech School of Education Student Association Research Symposium, Blacksburg, VA.

Anderson, R., Miller, R., Swafford, M. & Anderson S. (2006). *Spanish For The Agricultural and Green Industry. 22nd Annual* Virginia Tech Graduate School Assembly Research Symposium, Blacksburg, VA.

Byers, C., **Anderson, R**. & Cannon, J. (2006). *Career Interest in Agriculture of the 2004 Class of the Virginia Governor's School for Agriculture. 22nd Annual* Virginia Tech Graduate School Assembly Research Symposium, Blacksburg, VA.

Miller, R., Siebel A., & **Anderson, R**. (2006). *Maximizing Students Quality of Life by Utilizing Career Development Events*. *22nd Annual* Virginia Tech Graduate School Assembly Research Symposium, Blacksburg, VA.

Cannon, J., & **Anderson, R**. (2005). *Perceptions of Agriculture by the 2004 Class of the Virginia Governor's School for Agriculture.* American Association for Agricultural Education, San Antonio TX.

REFEREED INNOVATIVE IDEA POSTER PRESENTATIONS

Schultz, J., Anderson, R. & Felty, J. (2026). *The Real World: Redesigning a Welding Class to Match Industry Practices.* American Association for Agricultural Education Conference, St. Petersburg, FL.

Schultz, J., Anderson, R. & Felty, J. (2025). *The Real World: Redesigning a Welding Class to Match Industry Practices.* Proceedings from the 44th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Student Innovative Abstract.**

Schultz, J., Anderson, R. & Felty, J. (2025). *The Real World: Redesigning a Welding Class to Match Industry Practices.* Western American Association for Agricultural Education Conference, San Marcos, TX.

Anderson, R. & Borges, B. (2025). *Creating a Student-led Agricultural Mechanics Project Show*. American Association for Agricultural Education Conference, Lubbock, TX.

Kornegay, K., **Anderson, R**. & Borges, B. (2025*). Using CATME Peer Reviews for Student Organization Officer Teams*. American Association for Agricultural Education Conference, Lubbock, TX.

Parks, S., Borges, B., & **Anderson, R.** (2025). *Feeding the Hunger for Employment Opportunities: Creating a Lunch & Learn Series.* American Association for Agricultural Education Conference, Lubbock, TX.

Schultz, J., **Anderson, R**. & Borges, B. (2025). *Certifying the Next Generation of Welders: A Recruitment Event.* American Association for Agricultural Education Conference, Lubbock, TX.

Kornegay, K., **Anderson, R**. & Borges, B. (2025*). Using CATME Peer Reviews for Student Organization Officer Teams*. Southern American Association for Agricultural Education Conference, Irving, TX.

Schultz, J., **Anderson, R**. & Borges, B. (2025). *Certifying the Next Generation of Welders: A Recruitment Event.* Southern American Association for Agricultural Education Conference, Irving, TX. **Distinguished Innovative Idea Poster.**

Anderson, R. & Borges, B. (2024). *Creating a Student-led Agricultural Mechanics Project Show*. Proceedings from the 43rd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Kornegay, K., **Anderson, R**. & Borges, B. (2024*). Using CATME Peer Reviews for Student Organization Officer Teams*. Proceedings from the 43rd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Graduate Student Poster Presentation.**

Parks, S., Borges, B., & **Anderson, R.** (2024). *Feeding the Hunger for Employment Opportunities: Creating a Lunch & Learn Series.* Proceedings from the 43rd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Graduate Student Poster Abstract.**

Schultz, J., **Anderson, R.** & Borges, B. (2024). Certifying the Next Generation of Welders: A Recruitment Event. Proceedings from the 43rd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Poster Abstract** and **Outstanding Poster Presentation**.

Anderson, R. & Borges, B. (2024). *Creating a Student-led Agricultural Mechanics Project Show*. Western American Association for Agricultural Education Conference, Chico, CA. **Top Ten Poster.**

Parks, S., Borges, B., & **Anderson, R.** (2024). *Feeding the Hunger for Employment Opportunities: Creating a Lunch & Learn Series.* Western American Association for Agricultural Education Conference, Chico, CA. **Top Ten Poster.**

Kornegay, K., Borges, B., & **Anderson, R.** (2024). *WoW Ambassadors- Promoting Welding Education and Careers.* American Association for Agricultural Education Conference, Manhattan, KS. **Top Ten Poster.**

Parks, S., Borges, B., & **Anderson, R.** (2024). *Delivering a Community-Based Agricultural Mechanics Service-Learning Experience.* American Association for Agricultural Education Conference, Manhattan, KS.

Parks, S., Borges, B., & **Anderson, R.** (2023). *Delivering a Community-Based Agricultural Mechanics Service-Learning Experience.* Proceedings from the 42nd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Innovative Idea Poster.**

York, K., **Anderson, R., &** Borges, B. (2023). *The Little White Lie: Twisting the Truth to Improve Student Motivation.* Proceedings from the 42nd Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Kornegay, K., Borges, B., & **Anderson, R.** (2023). *WoW Ambassadors- Promoting Welding Education and Careers.* Western American Association for Agricultural Education Conference, Logan, UT. **Top Ten Poster.**

Parks, S., Borges, B., & **Anderson, R.** (2023). *Delivering a Community-Based Agricultural Mechanics Service-Learning Experience.* Western American Association for Agricultural Education Conference, Logan, UT.

Borges, B. & **Anderson, R.** (2023). *Using a Head-to-Head Electrical Troubleshooting Championship Contest to Improve Student Engagement and Knowledge*. American Association for Agricultural Education Conference, Raleigh, NC.

Garza, L., Kornegay, K., Borges, B., & **Anderson, R.** (2023). *Implementing a Women of Welding Camp for Secondary Female Students.* American Association for Agricultural Education Conference, Raleigh, NC.

Heibel, B., **Anderson, R**., & Morrish, D. (2023). *Developing an Agricultural Mechanics Academy.* American Association for Agricultural Education Conference, Raleigh, NC.

Heibel, B., Borges, B., & **Anderson, R.** (2023). *Incorporating a MakerSpace Project into an Introduction to Agricultural Engineering Course*. American Association for Agricultural Education Conference, Raleigh, NC.

Garza, L., Kornegay, K., Borges, B., & **Anderson, R.** (2022). *Implementing a Women of Welding Camp for Secondary Female Students.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Innovative Idea Poster.**

Heibel, B., **Anderson, R**., & Morrish, D. (2022). *Developing an Agricultural Mechanics Academy.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Distinguished Innovative Idea Poster.**

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Using Triangulation Scoring to Improve Student Evaluations.* Proceedings from the 41st Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Garza, L., Kornegay, K., Borges, B., & **Anderson, R.** (2022). *Implementing a Women of Welding Camp for Secondary Female Students.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Heibel, B., **Anderson, R**., & Morrish, D. (2022). *Developing an Agricultural Mechanics Academy.* Western American Association for Agricultural Education Conference, Las Cruces, NM.

Ramos, J., **Anderson, R., &** Borges, B. (2022). *Developing Industry Partnerships to Provide Welding Certifications.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2022). *Using Triangulation Scoring to Improve Student Evaluations.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Borges, B. & **Anderson, R.** (2021). *Using a Head-to-Head Electrical Troubleshooting Championship Contest to Improve Student Engagement and Knowledge*. Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session..

Franklin, E, **Anderson, R.,** & Preisner, N. (2021). *Filling the Gap: Landscape Horticulture Professional Development Opportunities for School-Based Agriculture Educators*. Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Heibel, B., Borges, B., & **Anderson, R.** (2021). Incorporating a MakerSpace Project into an Introduction to Agricultural Engineering Course. Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Innovative Idea Poster.**

Ramos, J., **Anderson, R., &** Borges, B. (2021). *Developing Industry Partnerships to Provide Welding Certifications.* Proceedings from the 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Innovative Idea Poster.**

Borges, B. & **Anderson, R.** (2021). *Using a Head-to-Head Electrical Troubleshooting Championship Contest to Improve Student Engagement and Knowledge*. Western American Association for Agricultural Education Conference, Bozeman, MT.

Franklin, E, **Anderson, R.,** & Preisner, N. (2021). *Filling the Gap: Landscape Horticulture Professional Development Opportunities for School-Based Agriculture Educators*. Western American Association for Agricultural Education Conference, Bozeman, MT.

Heibel, B., Borges, B., & **Anderson, R.** (2021). Incorporating a MakerSpace Project into an Introduction to Agricultural Engineering Course. Western American Association for Agricultural Education Conference, Bozeman, MT.

Ramos, J., **Anderson, R., &** Borges, B. (2021). *Developing Industry Partnerships to Provide Welding Certifications.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Sykora, R., **Anderson, R.,** Borges, B., & Swafford. M. (2021). *Using Triangulation Scoring to Improve Student Evaluations.* Western American Association for Agricultural Education Conference, Bozeman, MT.

York, K., **Anderson, R., &** Borges, B. (2021*). The Little White Lie: Twisting the Truth to Improve Student Motivation.* Western American Association for Agricultural Education Conference, Bozeman, MT.

Anderson, R., Borges, B. & McCubbins, O. (2021). *Preparing Career and Technical Education Majors for Laboratory Management through Virtual Reality.* American Association for Agricultural Education Conference, Virtual Conference. **Distinguished Innovative Idea Poster.**

Anderson, R. & Borges, B. (2020). *Teaching Electricity in a Virtual Environment.* Proceedings from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Innovative Idea Poster.**

Borges, B. & **Anderson, R.** (2020). *Using a Head-to-Head Electrical Troubleshooting Championship Contest to Improve Student Engagement and Knowledge.* Proceedings from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Innovative Idea Poster.**

McCubbins, O., **Anderson, R.** & Borges, B. (2020). *Preparing Career and Technical Education Majors for Laboratory Management through Virtual Reality.* Proceedings from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Innovative Idea Poster.**

Swafford, M. & **Anderson, R.** (2020). *Virtual Risk Assessment in the Agricultural Mechanics Laboratory.* Proceedings from the 39th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Anderson, R., Franklin, E., & Preisner, N. (2020). *The Irrigation Association's Agricultural Faculty Academy: Addressing Complex Problems.* American Association for Agricultural Education Conference, Oklahoma City, OK.

Ussery, S., Dusenbery, R., Swafford, M., & **Anderson, R.** (2020). Scan to see me teach! American Association for Agricultural Education Conference, Oklahoma City, OK. **Distinguished Innovative Idea Poster.**

Anderson, R. (2019). *Agricultural Externship: Where Careers and the Classroom Connect.* Proceedings from the 38th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Cortez, L., & **Anderson, R**. (2019). *The Chocolate Rendezvous: A Black-Tie Fundraiser.* Proceedings from the 38th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Swafford, M., & **Anderson, R.** (2019). *Increasing Access to Agricultural Mechanics Dual Credit Opportunities while Maintaining Higher Learning Commission (HLC) Accreditation: A Hybrid Strategy* Proceedings from the 38th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.

Anderson, R., Franklin, E., & Preisner, N. (2019). *The Irrigation Association's Agricultural Faculty Academy: Addressing Complex Problems.* Western American Association for Agricultural Education Conference, Anchorage, AK.

Anderson, R. (2019). *Agricultural Externship: Where Careers and the Classroom Connect.* American Association for Agricultural Education Conference, Des Moines, IA.

Cortez, L., & **Anderson, R**. (2019). *The Chocolate Rendezvous: A Black-Tie Fundraiser* American Association for Agricultural Education Conference, Des Moines, IA. **Outstanding Innovative Idea Poster**

Swafford, M., & **Anderson, R.** (2019). *Timber… Practical Training for Real-World Applications.* American Association for Agricultural Education Conference, Des Moines, IA. **Distinguished Innovative Idea Poster**

Rasty, J., McCubbins, OP, Frutchey, R., & **Anderson, R.** (2018). *Team-Based Learning: A Professional Development Model for Training the Trainer*. Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Outstanding Innovative Idea Poster**

Swafford, M., & **Anderson, R.** (2018). *Timber… Practical Training for Real-World Applications.* Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. **Distinguished Innovative Idea Poster**

Swafford, M., & **Anderson, R.** (2018). *Using RubiStar to Develop Agricultural Mechanics Rubrics. Proceedings from the 37th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session.* **Distinguished Innovative Idea Poster**

Wells, T., & **Anderson, R. G.** (2017). *3-2-4-1: Teaching critical thinking and communication skills through skill-based performance evaluation.* Proceedings from the 36th Annual National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN. **Outstanding Innovative Idea Poster**

Wells, T., Byrd, A. P., & **Anderson, R.** (2017). *Aligning with industry: Using virtual reality technology to provide psychomotor skill development and assessment in a post-secondary setting.* Proceedings from the 36th Annual National Agricultural Mechanics

Professional Development Blue Ribbon Papers Research Conference Poster Session. Indianapolis, IN.

Wells, T., Byrd, P., & **Anderson, R.** (2017). *Aligning with Industry: Using Virtual Reality Technology to Provide Psychomotor Skill Development and Assessment in a Post-secondary Setting.* North Central American Association for Agricultural Education Conference, Ames, IA.

McCubbins, OP., **Anderson, R.,** & Paulsen, T. (2017). *Enhancing Career Development Event Preparation Using Snapchat: A Snapshot of Identification Components of Various Career Development Events.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Wells, T. & **Anderson, R**. (2017). *Developing and Using Oral Verbalization Skills During Welding Activities in an Agricultural Mechanics Course.* American Association for Agricultural Education Conference, San Luis Obispo, CA. (**Runner-up for Outstanding Innovative Idea Poster**).

Wells, T. & **Anderson, R.** (2017). *Utilizing Torchmate EDU Student Software to Introduce Computer-Aided Drafting Technology to Pre-service Agricultural Education Teachers.* American Association for Agricultural Education Conference, San Luis Obispo, CA.

Wells, T. & **Anderson, R.** (2016). *Utilizing Torchmate EDU Student Software to Introduce Computer-Aided Drafting Technology to Pre-service Agricultural Education Teachers.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Distinguished Innovative Idea Poster**

Wells, T. & **Anderson, R.** (2016). *Utilizing Torchmate EDU Student Software to Introduce Computer-Aided Drafting Technology to Pre-service Agricultural Education Teachers.* North-Central American Association for Agricultural Education Conference, Lafayette, IN.

Rasty, J., McCubbins, OP, Frutchey, R., & **Anderson, R.** (2016). *Team-Based Learning: A Professional Development Model for Training the Trainer*. American Association for Agricultural Education Conference, Kansas City, MO.

Swafford, M., & **Anderson, R.** (2016). *Using RubiStar to Develop Agricultural Mechanics Rubrics.* American Association for Agricultural Education Conference, Kansas City, MO.

McCubbins, OP, Paulsen, T. H., **Anderson, R**. & Bender, H. (2016) *Utilizing the tuning protocol to critically evaluate team-based learning modules and components.* International Team-Based Learning Collaborative Conference, Albuquerque, NM.

McCubbins, OP, **Anderson, R.,** Frutchey, R., & Rasty, J. (2016) *Team-based learning: A*

professional development model for training the trainer. International Team-Based Learning Collaborative Conference, Albuquerque, NM.

Frutchey, R., McCubbins, OP, & **Anderson, R**. (2016) *Utilizing facebook profile worksheets to enhance higher order thinking skills in team-based learning courses.* International Team-Based Learning Collaborative Conference, Albuquerque, NM.

Byrd, P., & **Anderson, R**. (2016). *Graduate Student Entrepreneurship: Answering the Professional Development Needs of Secondary Agricultural Education Teachers.* Southern Region American Association for Agricultural Education Conference, San Antonio, TX.

Anderson, S., & **Anderson, R.** (2015). *Utilizing industry experts to enhance the agricultural mechanics instruction.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Rasty, J. & Anderson, R. (2015). *Jerry Springer Moment.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Rasty, J. & Anderson, R. (2015). *Jerry Springer Moment.* North-Central American Association for Agricultural Education Conference, Minneapolis, MN. (**1st Runner-up for Outstanding Innovative Idea Poster**).

McCubbins, OP, Paulsen, T., & **Anderson, R**. (2015). *Utilizing snapchat to prepare for Career Development Events.* North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Anderson, S., & **Anderson, R.** (2015). *Utilizing industry experts to enhance the agricultural mechanics instruction.* American Association for Agricultural Education Conference, San Antonio, TX.

McQuillen, J., McCubbins, OP, Paulsen, T., & **Anderson, R**. (2015). *Getting students to go kahoot for assessments.* American Association for Agricultural Education Conference, San Antonio, TX.

Caudle, L., McCubbins, OP. Paulsen, T., & **Anderson, R**. (2015). *Public service announcement: Spreading farm safety awareness through the use of the mobile application, glide.* American Association for Agricultural Education Conference, San Antonio, TX.

Wells, T. & **Anderson, R**. (2015). *Incorporating Experiential Learning Principles into a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* American Association for Agricultural Education Conference, San Antonio, TX.

McCubbins, OP, Paulsen, T. H. & **Anderson, R**. (2015). *Utilizing gradecam to foster immediate*

feedback for learners. International Team-Based Learning Collaborative Conference, St. Petersburg, FL.

Anderson, R. (2014). *Extreme Agricultural Mechanics Makeover*. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Outstanding Innovative Idea Poster 1st place.**

Wells, T. & **Anderson, R**. (2014). *Incorporating Experiential Learning Principles into a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Caudle, L., Paulsen, T., & **Anderson, R**. (2014). *Public Service Announcement: Spreading Farm Safety Awareness Through The Use of the Mobile Application, Glide.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Outstanding Innovative Idea Poster 2nd place.**

Byrd, P., & **Anderson, R**. (2014). *Graduate Student Entrepreneurship: Answering the Professional Development Needs of Secondary Agricultural Education Teachers.* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY. **Outstanding Innovative Idea Poster 3rd place.**

Byrd, P., & **Anderson, R**. (2014). *Utilizing the Arc+ Simulator to Teach Students Gas Tungsten Arc Welding (GTAW).* National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.

Anderson, R. (2014). *Extreme Agricultural Mechanics Makeover*. North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Wells, T. & **Anderson, R**. (2014). *Utilizing Authentic Assessment Strategies in a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Laboratory Management Competencies.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Wells, T. & **Anderson, R**. (2014). *Incorporating Experiential Learning Principles into a Methods of Teaching Agricultural Mechanics Course to Develop Pre-service Agriculture Teachers' Classroom Management Competencies.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA. **Distinguished Innovative Idea Poster, 2nd place**

Caudle, L., Paulsen, T., & **Anderson, R**. (2014). *Public Service Announcement: Spreading Farm*

Safety Awareness Through The Use of the Mobile Application, Glide. North Central American Association for Agricultural Education Conference, Morgantown, W. VA. **Outstanding Innovative Idea Poster**

McCubbins, OP., **Anderson, R**., & Paulsen, T. (2014). *Enhancing Career Development Event Preparation Using Snapchat: A Snapshot of Identification Components of Various Career Development Events.* North Central American Association for Agricultural Education Conference, Morgantown, W. VA.

Smith, T., Paulsen, T., & **Anderson, R**. (2014). *Utilizing the Tuning Protocol to Develop Student*
Teacher Confidence in Lesson Planning. North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Wells, T., **Anderson, R**., Perry, D., & Byrd, P. (2014). *Utilizing the Agricultural Marketing Resource Center (AgMRC) Website to Increase the Critical Thinking Skills of Secondary Agricultural Education Students.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Byrd, A**.**, **Anderson, R.,** & Stone, R. (2014). *The Use of Virtual Welding Simulators to Evaluate Experienced Welders.* North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

McCubbins, O., **Anderson, R**., & Wells, T. (2014). *Enhancing Agricultural Mechanics Laboratory Awareness with Snapchat: A snapshot of Agricultural Mechanics Safety Concerns.* American Association for Agricultural Education Conference, Salt Lake City, UT. **Distinguished Innovative Idea Poster.**

Byrd, A., Stone, R., & **Anderson, R**. (2014). *Can Dexterity Predict Future Performance of Novice Welders?* American Association for Agricultural Education Conference, Salt Lake City, UT.

Wells, T., **Anderson, R**., Perry, D., & Byrd, P. (2014). *Utilizing the Agricultural Marketing Resource Center (AgMRC) Website to Increase the Critical Thinking Skills of Secondary Agricultural Education Students*. American Association for Agricultural Education Conference, Salt Lake City, UT.

Byrd, A., **Anderson, R**., & Wells, T. (2014). *Using Interactive Gaming to Introduce Students to Gas Tungsten Arc Welding (GTAW).* American Association for Agricultural Education Conference, Salt Lake City, UT.

Wells, T., Parr, B., & **Anderson, R**. (2013). *Utilization of a Replication of the 2011 Alabama State FFA Agricultural Mechanics Career Development Event to Determine Selected Students' Levels of Agricultural Mechanics Knowledge and Skills. National Agricultural Mechanics Professional Development Blue Ribbon Papers Presentation Conference, Louisville, KY.* **Outstanding Innovative Idea Poster 1st place.**

Wells, T., **Anderson, R**., Perry, D., & Byrd, P. (2013). *Utilizing the Agricultural Marketing Resource Center (AgMRC) Website to Increase the Critical Thinking Skills of Secondary Agricultural Education Students.* North Central Region American Association for Agricultural Education Conference, Platteville, WI. **Outstanding Innovative Idea Poster 1st Runner-up.**

Rudolphi, J. & **Anderson, R**. (2013). *Pin It! Using Pinterest in the Agricultural Mechanics Laboratory.* American Association for Agricultural Education Conference, Columbus, OH.

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2013). *Big Brother is Watching…Utilizing Split-Screen Technology to Enhance Teacher Efficacy.* American Association for Agricultural Education Conference, Columbus, OH.

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2013). *The Sixth Sense: Developing an Agricultural Mechanics Laboratory Awareness.* American Association for Agricultural Education Conference, Columbus, OH.

Rudolphi, J. & **Anderson, R**. (2012). *Pin It! Using Pinterest in the Agricultural Mechanics Laboratory.* North Central Region American Association for Agricultural Education Conference, Champaign, IL. **1st place student innovative idea poster.**

Byrd, P. & **Anderson, R**. (2012). *Integrating Virtual Reality to Reduce Anxiety in Beginning Welders.* North Central Region American Association for Agricultural Education Conference, Champaign, IL.

Paulsen, T., Retallick, M., **Anderson, R**., & Miller, W. (2012). *Coordinating the Chatter: Using Twitter as a Medium for a Student Teacher Community of Practice.* American Association for Agricultural Education Conference, Asheville, NC. **1st place faculty innovative idea poster.**

Byrd, P. & **Anderson, R**. (2012). *Green welding…utilizing the VRTEX 360 to reduce our carbon footprint*. American Association for Agricultural Education Conference, Asheville, N.C.

Shultz, M., Perry, D., Byrd, P., & **Anderson, R**. (2012). *Reducing School Liability by Incorporating Brake Activation Devices on Woodworking Equipment.* American Association for Agricultural Education Conference, Asheville, N.C.

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2012). *Big Brother is Watching… Utilizing Split-Screen Technology to Enhance Teacher Efficacy.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL. **1st place student innovative idea poster.**

Paulsen, T., Retallick, M., **Anderson, R**., & Miller, W. (2012). *Coordinating the Chatter: Using Twitter as a Medium for a Student Teacher Community of Practice.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL. **1st place faculty innovative idea poster.**

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2012). *The Sixth Sense: Developing an Agricultural Mechanics Laboratory Awareness.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL.

Shultz, M., Perry, D., Byrd, P., & **Anderson, R**. (2012). *Reducing School Liability by Incorporating Brake Activation Devices on Woodworking Equipment.* Southern Region American Association for Agricultural Education Conference, Birmingham, AL.

Byrd, P. & **Anderson, R**. (2011). *Green welding…utilizing the VRTEX 360 to reduce our carbon footprint.* North Central Region American Association for Agricultural Education Conference, University Park, PA.

Rudolphi, J. & **Anderson, R.** (2011). *The Facebook Experience: Creating Small Engine Parts Profiles to Increase Higher Order Thinking Skills*. American Association for Agricultural Education Conference, Coeur D'Alene, ID. **1st place student innovative idea poster.**

Anderson, R. (2010). *Utilizing Industry Experts to Provide Enhanced Agricultural Mechanics Skills to Secondary Instructors.* Southern Region American Association for Agricultural Education Conference, Orlando, FL.

Anderson, S., & **Anderson R**., Miller, R., & Swafford, M. (2007). *Spanish For The Agricultural Industry.* American Association for Agricultural Education, Reno NV.

NON-REFERRED POSTER PRESENTATION

McCubbins, OP, Wells, K.T., **Anderson, R**., & Paulsen, T. (2013). Teacher-perceived adequacy ff tools and equipment to teach agricultural mechanics. Poster presented at the National Association of Agricultural Educators Organizational Members and Business Partners Reception, Las Vegas, NV.

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2012). *Big Brother is Watching…Utilizing Split-Screen Technology to Enhance Teacher Efficacy.* Presented at the CELT Teaching Poster Symposium. Ames, IA.

Perry, D., Byrd, P., Shultz, M., & **Anderson, R**. (2012). *The sixth sense: Developing an agricultural mechanics laboratory awareness.* Presented at the CELT Teaching Poster Symposium. Ames, IA.

Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *Mechanics-Related In-service Needs of Agriculture Teachers: Does Teaching Experience Matter?* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Student Research Poster- 1st Place.**

Perry, D., Shultz, M., **Anderson, R**., & Paulsen, T. (2012). *The Relationship between the Amount of Agricultural Mechanics Training and Skills Received at the Secondary and Post-secondary Levels.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Distinguished Student Research Poster- 2nd Place.**

Byrd, P., Shultz, M., Perry, D., & **Anderson, R**. (2012). *Big Brother is Watching…Utilizing Split-Screen Technology to Enhance Teacher Efficacy.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Byrd, P. & **Anderson, R**. (2012). *Integrating Virtual Reality to Reduce Anxiety in Beginning Welders.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN

Perry, D., Williams, R., & **Anderson, R.** (2011). *Comparison of Personal Protection Equipment Availability and Usage in Selected Secondary Agricultural Mechanics Programs.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Shultz, M, **Anderson, R**., & Anderson, S. (2011). *Safety Analysis of Post-Secondary Students Enrolled in Welding Courses: Does Past Experience Affect Safety Attitudes and Behaviors?* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award**

Byrd, P. & **Anderson, R**. (2011). *Green welding…utilizing the VRTEX 360 to reduce our carbon footprint.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award- Runner-Up**

Driscoll, B., Retallick, M., & **Anderson. R**. (2010). *Graduates Perspective on the Impact of the Integration of Experiential Learning in Academic Programs.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award**

Rudolphi, J., Retallick, M., & **Anderson, R**. (2010). *Integration and Needs of Iowa Agricultural Educators Regarding Agricultural Health and Safety Education in Schools.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN. **Outstanding Poster Award- Runner-Up**

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary Schools Regarding Students Enrollment and Integrated Mathematics.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Silvey, M., & **Anderson, R**. (2010). *Perceptions of Superintendents in Kentucky Secondary Schools Regarding Agriculture Program Support*. National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

Totty, C., & **Anderson, R**. (2010). *Survey of Agricultural Mechanics Curriculum for Agricultural Science Teacher Certification: A Delphi Study.* National Agricultural Mechanics Contest Blue Ribbon Presentation. Indianapolis, IN.

PROFESSIONAL TRAINING and WORKSHOPS

Anderson, R. (2025, December). Agricultural Electrical Principles & Applications. Professional development workshop presented at National Association of Agricultural Educators National Conference, Nashville, TN.

Anderson, R. (2025, July 29- August 7). Agricultural Mechanics Academy. San Marcos, TX.

Anderson, R. (2024, July 30- August 8). Agricultural Mechanics Academy. San Marcos, TX

Glascock, T., Schroedter, B., Carraway, C., & **Anderson, R.** (July, 2024). SAE Bootcamp. Agriculture Teachers Association of Texas Conference, Dallas, TX.

Anderson, R. (2023, August 1-10). Agricultural Mechanics Academy. San Marcos, TX.

Anderson, R. & Borges, B. (2023, July 16- 21). Women of Welding Camp. San Marcos, TX.

Anderson, R. (2022, August 1-11). Agricultural Mechanics Academy. San Marcos, TX.

Anderson, R. & Borges, B. (2022, July 17- 22). Women of Welding Camp. San Marcos, TX.

Saucier, R., **Anderson, R**., & Blackburn, J. (2021, November). STEM integration into agriculture through math and applied engineering: Pathway to preparing an ATMS CDE Team. Professional development workshop presented at National Association of Agricultural Educators National Conference, New Orleans, LA.

Anderson, R. (2021, July 19-August 5). Agricultural Mechanics Academy. San Marcos, TX.

Anderson, R. (2019, July). Agricultural Mechanics Boot camp. Dixon, IL.

Guetler, A & **Anderson, R**. (2019, July). Introduction to Two-Cycle Engines. Dixon, IL

Anderson, R. (2019, June). Bell Ringers in Agricultural Mechanics. Professional development

workshop presented at Illinois Association of Vocational Agriculture Teachers Conference. Decatur, IL.

Swafford, M., & **Anderson, R.** (2018, November). Dairy Foods Career Development Event Workshop. Dixon, IL.

Anderson, R. (2018, July). Agricultural Mechanics Boot camp. Dixon, IL.

Anderson, R., & Rasty, J. (2018, July). Torchmate workshop, Dixon, IL.

Guetler, A & **Anderson, R**. (2018, July). Introduction to Two-Cycle Engines. Dixon, IL.

Franklin, E., & **Anderson, R.** (2018, July). Introduction to Electricity workshop, Dixon, IL.

Anderson, R., & Rasty, J. (2018, June). Shop project ideas. Professional development workshop presented at Illinois Association of Vocational Agriculture Teachers Conference. Decatur, IL.

Anderson, R. (2018, June). Team-based learning: Engaging students in a flipped course design to meet the needs of 21st century learners. Professional development workshop presented at Illinois Assocation of Vocational Agriculture Teachers Conference. Decatur, IL.

Hageman, M., & **Anderson, R.** (2018). Grant writing in Agricultural Education. Dixon, IL.

Gillihan, S. & **Anderson, R.** (2018, January). Introduction to Gas Metal Arc Welding. Dixon, IL. Lee & Whiteside County Farm Bureau Members.

Gillihan, S. & **Anderson, R.** (2018, January). Introduction to Shielded Metal Arc Welding. Dixon, IL. Lee & Whiteside County Farm Bureau Members.

Anderson, R. (2017, October). Preparing for the National Agricultural Technology & Mechanical Systems Career Development Event. Muscatine, IA. FFA. Dixon, IL.

Larsen, K. & **Anderson, R.** (2017, September). Ag Metal Fabrication: basic welding and cold-steel projects. Illinois IAVAT Student Branch Committee STAR Bus Trip. Sycamore, IL.

Guetler, A & **Anderson, R**. (2017, July). Introduction to Two-Cycle Engines. Dixon, IL.

McCubbins, OP, **Anderson, R**., & Wells, T. (2017, March). Team-based learning: Engaging students in a flipped course design. Ames, IA.

Sperfslage, A., Franker, B., & **Anderson, R**. (2017, March). Agricultural Marketing Resource Center (AgMrc), United States Department of Agriculture Value-Added Agriculture Curriculum Training. Tucson, AZ.

Sperfslage, A., Franker, B., & **Anderson, R.** (2017, February). Agricultural Marketing Resource Center (AgMrc), United States Department of Agriculture Value-Added Agriculture Curriculum Training. Baton Rouge, LA.

Sperfslage, A., Franker, B., & **Anderson, R**. (2017, January). Agricultural Marketing Resource Center (AgMrc), United States Department of Agriculture Value-Added Agriculture Curriculum Training. Lexington, KY.

Anderson, R. & Wells, T. (2016, December). Introduction to Stihl Two-Cycle Engines. Ames, IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2016, November). Team-based learning: Engaging students in a flipped course design. Ignite Workshop presented at the Association for Career and Technical Education Research Conference. Las Vegas, NV.

Anderson, R., Rasty, J., & Frutchey, R., (2016, July). Welding Boot camp, Ames, IA

Anderson, R., Rasty, J.,& Frutchey, R. (2016, July). Advanced Torchmate workshop, Ames, IA.

Anderson, R., Rasty, J., & Frutchey, R. (2016, July). Torchmate workshop, Ames, IA.

Franklin, E., & **Anderson, R.** (2016, June). Introduction to Electricity workshop, Ames, IA.

Anderson, R., Rasty, J., Frutchey, R., & McCubbins, O. (2016, May). Agricultural Mechanics Boot camp. Ames, IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, November). Team-based learning: Engaging students in a flipped course design to meet the needs of 21st century learners. Professional development workshop presented at National Association of Agricultural Educators National Conference, New Orleans, LA.

Rasty, J. & **Anderson, R**. (2015, November). Agricultural Marketing Resource Center Curriculum. Professional development workshop presented at National Association of Agricultural Educators National Conference, New Orleans, LA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, November*). Team-based learning: Engaging students in a flipped course design to meet the needs of 21st century learners.* Professional development workshop presented at Association for Career & Technical Education Research conference, New Orleans, LA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R.** (2015, September). Team-based learning: Engaging students in a flipped course design to meet the needs of 21st century learners. Professional development workshop presented at Association for Career & Technical Education Best Practices and Innovations conference, Phoenix, AZ.

McCubbins, O., **Anderson, R**., Rasty, J., & Frutchey, R., (2015, July). Welding Boot camp, Ames, IA.

Franklin, E., & **Anderson, R.** (2015, July). Introduction to Electricity workshop, Ames, IA.

Anderson, R., Rasty, J., Frutchey, R., & McCubbins, O. (2015, July). Torchmate workshop, Ames, IA.

Rasty, J. & **Anderson, R**. (2015, June). Agricultural Marketing Resource Center Curriculum. Professional development workshop presented at National Association of Agricultural Educators National Conference, Ankeny, IA.

Anderson, R. (2015, June). Easy Cheese Welding. Professional development workshop presented at the Iowa Association for Career & Technical Education Research conference, Ankeny, IA.

Anderson, R. (2015, June). Developing Cross-Curricular Student Engagement Activities. Professional development workshop presented at the Iowa Association for Career & Technical Education Research conference, Ankeny, IA.

Franklin, E., & **Anderson, R**. (2015, June). Introduction to Electricity workshop, Tucson, AZ.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, May*). Team-based learning: Engaging students in a flipped course design to meet the needs of 21st century learners.* Professional development workshop presented at the National meeting of the American Association of Agricultural Educators, San Antonio, TX

Anderson, R., Rasty, J., Frutchey, R., & McCubbins, O. (2015, May). Agricultural Mechanics Boot camp. Ames, IA.

McCubbins, OP, Paulsen, T. H., & **Anderson, R**. (2015, April). *Team-based learning: Engaging students in a flipped course design to meet the needs of 21st century learners.* Professional development workshop presented at the Association for International Agricultural and Extension Education, Wageningen, The Netherlands.

Anderson, R. (2014). Grant writing in Career & Technical Education. Ames, IA.

McCubbins, O., **Anderson, R**., & Wells, T. (2014). *Enhancing Agricultural Mechanics Laboratory Awareness with Snapchat: A snapshot of Agricultural Mechanics Safety Concerns*. Presentation given at the 60th Annual North American Colleges and Teachers of Agriculture Conference, Bozeman, MT.

Morris, Z. & **Anderson, R**. (December, 2013). *The Salsa Project*. Presentation given at the National Association of Agricultural Education Teachers Conference, Las Vegas, NV.

Rudolphi, J. & **Anderson, R.** (December, 2012). *Pin It! Using Pinterest to Collect, Share, and Store Ag Mechanics Projects*. Presentation given at the National Association of Agricultural Education Teachers Conference, Atlanta, GA.

Anderson, R. Byrd, A., & Perry, D. (June, 2012). *Preparing a Team for the Agricultural Mechanics Career Development Event.* Presentation given at the Iowa Association of Agricultural Education Teachers Conference, Ankeny, IA.

Byrd, P., Perry, D., & **Anderson, R.** (June, 2012). *Supplementing agricultural education curriculum by utilizing the AgMRC website curriculum.* Presentation given at the Iowa Association of Agricultural Education Teachers Conference.

Byrd, P., Perry, D., Shultz, M., & **Anderson, R**. (March, 2012). Beginning Mig Welding Workshop. Ames, IA.

Byrd, P., Perry, D., Shultz, M., & **Anderson, R.** (February, 2012). Beginning Oxy-Fuel Welding Workshop. Ames, IA.

Byrd, P., Perry, D., Shultz, M., & **Anderson, R.** (January, 2012). Mig Welding Workshop for Iowa State University Extension farm employees. Ames, IA.

Byrd, A., Perry, D., Shultz, M., & **Anderson, R**. (December, 2011). *Beginning Arc Welding Workshop*. Ames, IA.

Byrd, A., **Anderson, R**. & Webb, A. (November, 2011). *Virtual reality welding: Increasing the welding learning curve.* Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

Perry, D., Byrd, A., & **Anderson, R.** (November, 2011). *Electricity 101: Basic electrical wiring fundamentals.* Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

Rudolphi, J., **Anderson, R.** & St. Clair, S. (November, 2011). *Utilizing Facebook to enhance higher order thinking skills in small engines parts identification lessons.* Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

Silvey, M. & **Anderson, R.** (November, 2011). *Utilizing alternative energy kits tointroduce emerging technology in Agricultural Science.* Presentation given at the National Association of Agricultural Education Teachers Conference, St. Louis, MO.

Anderson, R. (August, 2011). *Introduction to Parliamentary Procedure.* Presentation given at the Professional and Scientific Council Meeting, Iowa State University. Ames, IA.

Anderson, R. (June, 2011). *Old dogs-New tricks: Easy-Cheese Welding.* Presentation

given at the Iowa Association of Agricultural Education Teachers Conference, Ankeny, IA.

O'Banion, B. & **Anderson, R**. (March, 2011). *Advocating for Agriculture- Putting theory to practice*. Presentation given at the Ag Day Collegiate Leadership Summit. Washington D.C.

O'Banion, B. & **Anderson, R**. (March, 2010). *Advocating for Agriculture- Putting theory into action*. Presentation given at the Ag Day Collegiate Leadership Summit. Washington D.C.

INVITED PRESENTATIONS

Anderson, R. (Fall, 2024). Welding Careers. Career Day, Rodriguez Elementary School. San Marcos, TX.

Anderson, R. (Fall, 2023). Welding Careers. Career Day, Rodriguez Elementary School. San Marcos, TX.

Anderson, R. (Spring, 2023). The Purpose of Advisory Committees in Agricultural Education. Texas State University, San Marcos, TX.

Anderson, R. (Spring, 2023). Careers in Agricultural Education. Texas State University, San Marcos, TX.

Anderson, R. (Fall, 2022). Careers in Agricultural Education & Mechanics. Texas State University, San Marcos, TX.

Anderson, R. (Fall, 2022). Careers in Agricultural Education & Mechanics. Texas State University, San Marcos, TX.

Anderson, R. (Fall, 2022). Texas State University Agricultural Mechanics Engaging the Future Welding Workforce. American Welding Society Welding Summit, The Woodlands, TX.

Anderson, R. (Fall, 2022). Becoming a Productive Scholar and Researcher. New Faculty Orientation. Texas State University, San Marcos, TX.

Anderson, R. (Spring, 2022). The Purpose of Advisory Committees in Agricultural Education. Texas State University, San Marcos, TX.

Anderson, R. (Spring, 2022). Careers in Agricultural Education & Mechanics. Texas State University, San Marcos, TX.

Anderson, R. (Fall, 2021). Careers in Agricultural Education. Texas State University, San

Marcos, TX.

Anderson, R. (Fall, 2021). Careers in Agricultural Education. Texas State University, San Marcos, TX.

Drewery, M. & **Anderson, R**. (Fall, 2021). USDA and underrepresented students: three on-going programs at TXST. 2021. *Texas State University HSI Symposium. San Marcos, TX*.

Anderson, R. (Spring, 2021). Careers in Agricultural Education. Texas State University, San Marcos, TX.

Anderson, R. (Fall, 2020). Careers in Agricultural Education. Texas State University, San Marcos, TX.

Anderson, R. (2020). Careers in Agricultural Education. Texas State University, San Marcos, TX.

Blackburn, J., McKibben, J., **Anderson, R.,** McCubbins, O., & Granberry, T (2020). You want me to teach WHAT online?: Tips, Tricks, and Discussions for Engaging Students Online. Louisiana Agricultural Teachers Association.

Blackburn, J., **Anderson, R**., & McKibben, J. (2020). You want me to teach WHAT online?: Tips, Tricks, and Discussions for Engaging Students Online. National Association of Agricultural Educators

Anderson, R. (2020). An Introduction to Zoom. Texas State University Department of Agricultural Sciences Faculty, Staff, and Graduate Students. San Marcos, TX.

Anderson, R. (2019). Careers in Agricultural Systems. Texas State University, San Marcos, TX.

Anderson, R. (2019). Careers in Agricultural Education. Texas State University, San Marcos, TX.

Anderson, R. (2019). Careers in Agricultural Education. Texas State University, San Marcos, TX.

Anderson, R. (2019). Overview of the Sauk Valley Community College Agriculture Department. Ogle County Farm Bureau, Oregon, IL.

Anderson, R. (2019). Burning Questions about College! Bureau Valley High School Agricultural Education Classes, Manlius, IL.

Anderson, R. (2019). Overview of the Sauk Valley Community College Agriculture Department. Sterling Rotary Club, Sterling IL.

Anderson, R. (2019). Burning Questions about College! Polo High School Agricultural

Education Classes, Polo, IL.

Anderson, R. (2019). Sauk Valley Community College Agricultural Department Update. Farmer's Night, Rock Falls Rotatory, Rock Falls, IL.

Anderson, R. (2019). Burning Questions about College! Ashton-Franklin Center High School Agricultural Education Classes, Ashton, IL.

Anderson, R. (2019). Burning Questions about College! Amboy High School Agricultural Education Classes, Amboy, IL.

Anderson, R. (2019). Sustainable Agriculture for a Better Tomorrow. Action for a Better Tomorrow- Sauk Valley Chapter, Dixon, IL.

Anderson, R. (2018). Burning Questions about College! Forreston High School Agricultural Education Classes, Forreston, IL.

Anderson, R. (2018). Here by the ear of corn…Agricultural Careers. Illinois FFA District One Greenhand Conference. Oregon, IL.

Anderson, R. (2018). Exploring plant science. Lee County Farm Bureau Agriculture Expo, Amboy, IL.

Anderson, R. (2018). Raising Chickens. Sterling FFA Farmapolooza, Sterling, IL.

Anderson, R. (2018). Burning Questions about College! LaMoille High School Agricultural Education Classes, LaMoille, IL.

Anderson, R. (2018). Burning Questions about College! Ohio High School Agricultural Education Classes, Ohio, IL.

Anderson, R. (2018). Burning Questions about College! Polo High School Agricultural Education Classes, Polo, IL.

Anderson, R. (2018). Introduction to Oxy-Acetylene cutting. Amboy High School welding classes. Amboy, IL.

Anderson, R. & Eichmann, R. (2018). Drones 101. Sterling Federal Bank Agriculture Series. Dixon, IL.

Anderson, R. (2018). Burning Questions about College! Chadwick-Milledgeville High School Agricultural Education Classes, Milledgeville, IL.

Anderson, R. (2018). Life as a Soil Scientist. Northern Illinois 4-H Science Siesta 2018, Discovery Center Children's Museum. Rockford, IL.

Anderson, R. (2018). Burning Questions about College! Oregon High School Agricultural Education Classes, Oregon, IL.

Anderson, R. (2018). Burning Questions about College! Prophetstown High School Agricultural Education Classes, Prophetstown, IL.

Anderson, R. (2018). Partnerships in Agriculture, a collaboration between Sauk Valley Community College and Dixon Public Schools. Dixon Kiwanis, Dixon, IL.

Anderson, R. (2018). The future of agriculture at Sauk Valley Community College. Rock Falls Rotary, Rock Falls, IL.

Anderson, R. (2018). Burning Questions about College! Bureau Valley Agricultural Education Classes, Sheffield, IL.

Anderson, R., Burrs, D., & Willet, J. (2018). Agricultural opportunities. Presented to Dixon Public School Students and Parents, Dixon, IL.

Anderson, R. (2018). Can Robots Plant and Care for your Garden? The Farmbot Genesis is changing how we view vegetable production. The technology could shift labor needs in the horticulture production workforce. Tech Talk, Sauk Valley Community College, Sterling, IL.

Anderson, R. (2018). Burning Questions about College! Sterling Agricultural Education Classes, Sterling, IL.

Anderson, R. (2018). Agriculture at Sauk Valley Community College. Lee County Farm Bureau Young Leader and FFA Acquaintance Program. Amboy, IL.

Anderson, R. (2018). A Family Conversation of Bringing the Next Generation Home. Sauk Valley Agriculture Workshop Illinois Small Business Development Center at Sauk Valley Community College. Dixon, IL.

Anderson, R. (2017). Burning Questions about College! Amboy Agricultural Education Classes, Amboy, IL.

Aakre, C., Busdieker, L., **Anderson, R.,** & Scales, J. (2017). Challenges for Ag Mechanics Instructors: An Interactive Discussion. Panel of Experts, Midwest Agricultural Mechanics Instructors Conference. Orland Park, IL.

Anderson, R. (2016). Introduction to Agricultural Mechanics. Presentation given to University of Kentucky Agricultural Education student teachers. Lexington, KY.

Anderson, R. (2015). 3D Printers and other technology used in Agricultural Education. Presentation given to Iowa State University Pre-service Science Education teachers, Ames, IA.

Anderson, R. (2014). Your Passport to Success: Faculty Panel Discussion. Presentation given to Destination Iowa State participants, Ames. IA.

Anderson, R. (2013). Your Passport to Success: Faculty Panel Discussion. Presentation given to Destination Iowa State participants, Ames. IA.

Anderson, R. (2012). Safe setup and handling of Oxy-Acetylene Systems. Presentation given to Iowa State University Farm Managers. Ames, IA.

Anderson, R. (2012). Sumer Orientation Faculty/Adviser Panel: Key Topics for Family Members. Presentation given to Destination Iowa State participants, Ames. IA.

Anderson, R. (2012). STEAM. Presentation given to the Center for Excellence in Science, Mathematics, and Engineering Education at Iowa State University. Ames, IA.

Anderson, R. (2011). Safe setup and handling of Oxy-Acetylene Systems. Presentation given to Iowa State University Farm Managers. Ames, IA.

Anderson, R., & Byrd, A. (2011). The future of agricultural mechanics at Iowa State University. Presentation given to students enrolled in AgEdS 327 at Iowa State University. Ames, IA.

Anderson, R., Buttle, T., De Lay, A., Warnick, B., Park, T., & Townsend, C. (2007). *Critical Thinking.* Workshop presented at OMEGA Conference. Indianapolis, IN.

Driskill, D. & **Anderson, R**. (2007). College 101. Workshop presented at Livingston County High School.

Driskill, D. & **Anderson, R**. (2007). Money, Money, Money: Stay in School! Workshop presented at Livingston County Middle School.

ACADEMIC ADVISING

Texas State University

Supervision of Texas State University Student Teachers

Student	School	Semester	Year
Rebecca Berquist*	James Madison	Spring	2025
Victoria Clark	Floresville	Spring	2025
Abrielle Foster	San Marcos	Spring	2025
Leandra Gandara	James Madison	Spring	2025
Claire Golden	Judson	Spring	2025
Liz Lux	Davenport	Spring	2025
Kinsley Shupp	Marion	Spring	2025
Maggie Bayer	Vandergrift	Spring	2024
Elizabeth Hawkins	Canyon Lake	Spring	2024

Freddy Jimenez	Davenport	Spring	2024
Joseph Nino	Marion	Spring	2024
Amy Zinsmeister	James Madison	Spring	2024
Michelle Owen	James Madison	Spring	2023
Sarah Parks	Wimberley	Spring	2023
Marissa Perusquia	New Braunfels	Spring	2023
Alyssa Rios	Canyon New Braunfels	Spring	2023
Haley Rios	Lockhart	Spring	2023
Dominike Uscanga	Canyon Lake	Spring	2023
Krystal De La Cruz	San Marcos	Spring	2022
Krystal Neely	James Madison	Spring	2022
Nichole Smith	Wimberley	Spring	2022
Sam Schwertlech	Canyon New Braunfels	Spring	2022
Renae Bowie	Vandergrift	Spring	2021
Leah King	Vandergrift	Spring	2021
Heather Niles	James Madison	Spring	2021
Alyssa Peterson	Canyon Lake	Spring	2021
Tatum Bauer	McMullen County	Spring	2020
Maddisyn Farmer	Canyon New Braunfels	Spring	2020
Melissa Gold	Dripping Springs	Spring	2020
Cory Grant	Lehman	Spring	2020
Nate Nicholson	Weiss	Spring	2020
Cody Poerner	Marion	Spring	2020
Makayla Sosa	Cedar Park	Spring	2020

* Montana State University Undergraduate

Service to Graduate Student Research

Student	Degree	Role	Grad. Date
Uddin, Jasim	Engineering	Committee Member	08/2023
Bayer, Maggie	Integrated Agriculture	Major Professor	08/2026
Crews, Jewlyann	Integrated Agriculture	Major Professor	05/2027
Keith, Meredith	Integrated Agriculture	Major Professor	DNF
Elrod, Kelli	Integrated Agriculture	Major Professor	05/2027
Kornegay, Kennedy	Integrated Agriculture	Major Professor	05/2025
Boyer, Hannah	Integrated Agriculture	Committee Member	05/2023
Heibel, Brittney	Integrated Agriculture	Major Professor	12/2022
Moore-Thomas, Jhessye	Integrated Agriculture	Committee Member	05/2022
Parks, Sarah	Integrated Agriculture	Major Professor	08/2025
Sykora, Rhett	Integrated Agriculture	Major Professor	05/2025
Tasci, Kayra	Integrated Agriculture	Committee Member	05/2023
York, Kacie	Integrated Agriculture	Major Professor	DNF

Completed Supervised Graduate Student Research

Student	Degree	Role	Grad. Date
Parks, Sarah	M.S. Integrated Agriculture	Major Professor	08/2025
	Thesis: *The Teaching and Learning of Small Gas Engines for SBAE Teachers*		
Kornegay, Kenedy	M.S. Integrated Agriculture	Major Professor	05/2025
	Thesis: *Identifying the Effects of the Agricultural Mechanics Academy Electricity Workshop*		
Heibel, Brittney	M.S. Integrated Agriculture	Major Professor	12/2022
	Thesis: *Identifying the Effects of Integrating Virtual Reality Technology into Beginning Welder Training*		
	College of Applied Arts Outstanding Graduate Student		

Completed Supervised Undergraduate Student Research

Student	Project	Sem.	Year
Carpenter, Dylan	The Relationship Between Importance of Post-Secondary Electricity Training of School-Based Agricultural Education Teachers and their Knowledge!	Fall	2025
Cruz, Jewlyann	The Relationship Between the Quality of Post-Secondary Electricity Training of School-Based Agricultural Education Teachers and The Tools!	Fall	2025
Elrod, Kelli	Exploring the Relationship Between Agricultural Mechanics Educators' Perceived Importance of Teaching Electricity and Ability to Teach!	Fall	2025
Matney, Haley	Knowing by Doing: Does a Relationship Between the Importance to Teach and Ability to Perform Electrical Skills Exist?	Fall	2025
Schultz, Jenna	The Relationship Between the Quality of Post-Secondary Electricity Training of School-Based Agricultural Education Teachers and Perceived Importance to Teach Electricity!	Fall	2025
Massey, Molley	Teacher-perceived Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics to Teach Electricity.	Spring	2025
Schultz, Jenna	Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Teach Electrical Skills	Spring	2025
Massey, Molley	Teacher-perceived Adequacy of Tools and Equipment Available to Teach Agricultural Mechanics to Teach Electricity.	Fall	2024
Schultz, Jenna	Exploring the Impact of an Electricity Workshop on SBAE Teachers Ability to Teach Electrical Skills	Fall	2024

Ramos, Jacob	Identifying Teacher's Perceived Tools and Equipment Availability to Teach Welding Before and After a Professional Development Workshop	Fall	2022
Boedeker, Schilar	Teachers' perceptions of tools available to teach welding	Spring	2022
Garza, Lourdez	Teachers' perception of their ability to perform welding skills	Spring	2022
Hudson, Kelly	Teachers' perception of their welding knowledge	Spring	2022
Keith, Meredith	Teachers' perception of their ability to teach welding	Spring	2022
Kornegay, Kenedy	Teachers' perceptions of the importance to teach welding	Spring	2022
Ramos, Jacob	Developing Industry Partnerships to Provide Welding Certifications.	Fall	2021
Catalan, Emily	Learning Management Software (LMS) for Teaching Agricultural Science: The Role of Age in Faculty's Adoption Before and During Covid-19.	Spring	2021
Garza, Gabby	Online teaching workshops and conferences: a COVID-19 survey on faculty teaching agricultural sciences	Spring	2021
Garza, Lourdez	Determining the professional development needs of students using an Augmented Reality welding system.	Spring	2021
Kornegay, Kenedy	Faculty Participation in Formal, Non-formal, and Informal Teaching Training Prior to and as a Result of Covid-19.	Spring	2021
Ramos, Jacob	Identifying the relationship between virtual assisted welding instruction and welding performance.	Spring	2021
Rowe, Zoe	Challenges and Opportunities faced by Veterinary Technicians in the Workplace during COVID-19	Spring	2021
Tasci, Kayra	Changes in Academic Rigor and Faculty Perception of Student Learning in the Post-Secondary Classroom During COVID-19.	Spring	2021

Sauk Valley Community College

Completed Supervised Undergraduate Honors Projects

Student	Project	Semester	Year
Duncan, Molly	Designing a Raised Bed Potato Garden	Spring	2019
Lundquist, Austin	Plant Media Growth Experiment	Spring	2019
Govig, Nolan	A Handbook to Convert Sauk Farms to Organics	Spring	2019
Smith, Katie	Establishing U.S.D.A. Guidelines for Eggs on Campus	Spring	2019
LeFevre, Madeline	Establishing A Farm Accounting System	Fall	2018
Smith, Katie	Developing Ag Club Guidelines	Fall	2018
Hart, Kaley	Student Organizations in Agriculture Introducing Hydroponics	Spring	2018
Smith, Katie	History of Agriculture at SVCC	Spring	2018

Hart, Kaley	Fall	2017

Concordia University, Chicago

Service to Graduate Student Research

Student	Degree	Role	Grad. Date
Driskill, Ron	EdD Educational Administration	Reader	12/2018

Iowa State University

- Advise students in the agricultural education (certification and communication options) and agricultural studies degree programs
- Serve as graduate advisor to approximately twenty-three graduate students including two doctoral student
- Supervised student teachers in the Agricultural Education teacher certification option

Service to Graduate Student Research

Student	Degree	Role	Grad. Date
Artist, Jon	MAG Masters of Agriculture	Committee Member	05/2013
Boydston, Phillip	M.S. Professional Agriculture	Major Professor	Inactive
Bowden, Jessica	M.S. Agricultural Education	Committee Member	08/2015
Byrd, Preston	Ph.D. Agricultural Education	Major Professor	08/2014
Clement, Brian	M.S. Agricultural Education	Major Professor	05/2014
Coons, Brian	M.S. Agricultural Education	Major Professor	12/2016
Day, Josh	M.S. Agricultural Education	Committee Member	08/2014
Floyd, Kori	M.S. Agricultural Education	Committee Member	12/2016
Franker, Bryghtyn	M.S. Agricultural Education	Major Professor	05/2017
Frutchey, Robert	M.S. Agricultural Education	Major Professor	12/2016
Gent, Nicole	M.S. Agricultural Education	Major Professor	08/2015
Gospodarcyzk, Paul	M.S. Agricultural Education	Major Professor	12/2012
Herrman, Chris	M.S. Agricultural Education	Major Professor	05/2017
Holdgrafer, Alaina	M.S. Agricultural Education	Major Professor	08/2016
Idhe, Caroline	M.S. Agricultural Education	Committee Member	05/2015
Jaeger O'Connell, Amy	M.S. Agricultural Education	Committee Member	05/2012
Jones, Andrea	M.S. Agricultural Education	Committee Member	08/2013
Lair, Emily	M.S. Agricultural Education	Major Professor	12/2016
Matthews, Jenifer	M.S. Agricultural Education	Committee Member	08/2015
McCubbins, OP	Ph.D. Agricultural Education	Major Professor	08/2016
Meddles, Alexandria	M.S. Agricultural Education	Major Professor	08/2016
Miller, Brian	M.S. Agricultural Education	Major Professor	05/2015
Mills, Denise	M.S. Agricultural Education	Co-Major Professor	05/2017
Mills, Van	M.S. Agricultural Education	Committee Member	12/2014
Olsen, Mai Lee	M.S. Agricultural Education	Major Professor	05/2017
Pepin, Randall	MAG Masters of Agriculture	Committee Member	05/2017
Rasty, John	M.S. Agricultural Education	Major Professor	08/2016

Raubenstine, Scott	M.S. Agricultural Education	Committee Member	08/2013
Shultz, Matt	Ph.D. Agricultural Education	Committee Member	Inactive
Solomonson, Jay	Ph.D. Agricultural Education	Committee Member	12/2017
Sorenson, Gentry	MAG Masters of Agriculture	Committee Member	05/2016
Sperfslage, Angela	M.S. Agricultural Education	Committee Member	12/2019
Stremsterfer, Elly	M.S. Agricultural Education	Major Professor	05/2014
Taber, Colby	M.S.. Agricultural Education	Major Professor	08/2015
Thelen, Julie	M.S. Agricultural Education	Committee Member	05/2013
Van Steenwyk, Amanda	M.S. Agricultural Education	Major Professor	05/2018
Wells, Trent	M.S.. Agricultural Education	Major Professor	08/2013

Completed Supervised Graduate Student Research

Student	**Degree**	**Role**	**Grad. Date**
Byrd, Preston	Ph.D. Agricultural Education Dissertation: Identifying the effects of human factors and training methods on a weld training program	Major Professor	08/2014
Clement, Brian	M.S. Agricultural Education Creative Component: Developing a 3D Landscape Design Course	Major Professor	05/2014
Coons, Brian	M.S. Agricultural Education Creative Component: Developing an Introduction to basic electrical systems and electronics course for an Agricultural Engineering Technical program	Major Professor	12/2016
Franker, Bryghtyn	M.S. Agricultural Education Creative Component: My Journey to Proficiency in Agricultural Education	Co-Major Professor	05/2017
Frutchey, Robert	M.S. Agricultural Education Creative Component: Utilizing Team-Based Learning to teach an agricultural mechanics laboratory	Major Professor	12/2016
Gent, Nicole	M.S. Agricultural Education Creative Component: Aligning secondary welding curriculum to meet industry standards	Major Professor	08/2015
Gospodarcyzk, Paul	M.S. Agricultural Education Creative Component: Introduction to Web-Based Instruction Utilizing the Moodle Learning Management System	Major Professor	12/2012
Herrman, Chris	M.S. Agricultural Education Creative Component: Developing an Introduction to Agriculture Class for Avon Grove High School	Major Professor	05/2017
Holdengrafer, Alaina,	M.S. Agricultural Education	Major Professor	08/2016

	Creative Component: Welding Consumable Management Strategies Utilized in a Secondary Agricultural Mechanics Course		
Lair, Emily	M.S. Agricultural Education Creative Component: My journey to proficiency in Agricultural Education	Major Professor	12/2016
McCubbins, OP	Ph.D. Agricultural Education Dissertation: Team-based learning in an undergraduate capstone course: Examining the effectiveness of a learner-centered instructional method for farm management and operation students.	Co-Major Professor	08/2016
Meddles, Alexandria	M.S. Agricultural Education Creative Component: Implementing an Agricultural Event Center at an Ohio farm show: A proposal	Major Professor	08/2016
Miller, Brian	M.S. Agricultural Education Creative Component: Adult Welding Curriculum: Falls City	Major Professor	05/2015
Mills. Denise	M.S. Agricultural Education Thesis: Strength in diversity and diversity of strengths of state FFA officers: An analysis of Clifton StrengthsFinder® assessment data for state FFA officers, 2006-2010; 2012-2015	Co-Major Professor	05/2017
Olsen, Mai Lee	M.S. Agricultural Education Creative Component: Strategic Enrollment Management Plan	Major Professor	05/2017
Rasty, John	M.S. Agricultural Education Creative Component: Identifying the agricultural mechanics trends in secondary agricultural education: A longitudinal study	Major Professor	08/2016
Taber, Colby	M.S. Agricultural Education Creative Component: An Effective Guide to Livestock Evaluation	Major Professor	08/2015
Wells, Trent	M.S. Agricultural Education Creative Component: Advancing the teaching & learning of agricultural mechanics: Connecting science, technology, engineering, & mathematics concepts	Major Professor	08/2013

Completed Supervised Undergraduate Student Research

Student	Project	Semester	Year
Anderson, Kaitlyn	Stihl Workshop Evaluation	Spring	2017
Figland, Whitney	Post-Secondary Agricultural Education Majors' Agricultural Mechanics Skills	Spring	2016
Campo, Dillon	College Students' Agricultural Mechanics Skills	Fall	2011

Supervision of Iowa State University Student Teachers

Student	School	Semester	Year
Branderhorst, Bre	Pleasantville	Spring	2016
Emerson, Alex	Gilbert	Spring	2015
Miller, Kylie	Boone & Norway	Spring	2015
Veach, Kassie	Muscatine	Spring	2015
Abbas, Travis	North Polk, Alleman	Spring	2014
Schmidt, Brett	Union, LaPorte City	Fall	2013
Wiebe, Ashley	Muscatine	Spring	2012
Burton, Rachel	Jefferson, Scranton	Spring	2012
Henkes, Leah	Decorah	Fall	2012
Spurgin, Bret	Pleasantville	Spring	2011
Blakely, Samantha	Southeast Polk	Spring	2011
Beaman, Sarah	Winterset	Spring	2011
Clark, Gary	Gilbert	Fall	2010

Murray State University

- Advised approximately 16 undergraduates per semester
- Served on 11 master's students committee's
- Chaired 5 master's students committee's

Service to Graduate Student Research

Student	**Degree**	**Role**	**Grad. Date**
Gossett, Justin	M.S. Agricultural Science	Major Professor	n/a
Kass, Kay	M.S. Agricultural Science	Major Professor	n/a
Massey, Jason	M.S. Agricultural Science	Major Professor	08/2008
Sharpe, Herbert	M.S. Agricultural Science	Major Professor	12/2007
Silvey, Mathew	M.S. Agricultural Science	Major Professor	08/2010

PROFESSIONAL HONORS

- Texas State University Faculty Senate Fellow (2024-2025)
- Texas State University Presidential Distinction Award for Service (2023)
- James F. Lincoln Arc Welding Foundation (2022) Division VI Silver Award Recipient for Using Triangulation Scoring to Improve Student Evaluations
- Texas State University Presidential Award for Excellence in Scholarly/Creative Activities (2022)
- American Association For Agricultural Education Leadership Academy Fellow (2022-2023)
- James F. Lincoln Arc Welding Foundation (2021) Division VI Silver Award Recipient for Developing Industry Partnerships to Provide Welding Certifications.

- James F. Lincoln Arc Welding Foundation (2021) Division VI Bronze Award Recipient for 3-2-4-1 Teaching Critical Thinking and Communication Skills Through Skills-Based Performance.
- North American College Teachers of Agriculture Jack Everly Outstanding Journal Article Award (2020)
- North American College Teachers of Agriculture Top Teaching Tip (2019).
- North American College Teachers of Agriculture Educator Award (2018)
- Amboy FFA Honorary Member (2018)
- Iowa Association of Association of Career and Technical Education Outstanding Mentor (2014)
- Iowa Association of Association of Career and Technical Education Outstanding Career and Technical Educator (2013)
- National Association of Agricultural Educators Ideas Unlimited winner (2013)
- Iowa Association of Agricultural Educators Ideas Unlimited classroom division and overall winner (2012)
- Iowa Association of Agricultural Educators Ideas Unlimited classroom division and overall winner (2011)
- Outstanding Young Alumnus- Dept of Agricultural Education and Extension Virginia Tech (2011)
- Gamma Sigma Delta Inductee (2011)
- Consortium of Collegiate Agricultural Organizations Board of Directors (2009-2013)
- Certificate of Appreciation- Murray State Collegiate FFA (2010)
- Alpha Tau Alpha National Vice-President (2008-2010)
- Nominee for Murray State University Emerging Scholar Award (2009)
- Certificate of Appreciation- Murray State Collegiate FFA (2009)
- Certificate of Appreciation- Murray State Collegiate FFA (2008)
- Finalist for Murray State University Emerging Scholar Award (2008)
- Certificate of Appreciation- Murray State Collegiate FFA (2007)
- Degree of Honorary State Farmer – Virginia FFA Association. (2006)
- Rufus W. Beamer Professional Development Award (2006)
- National Association of Agricultural Educators 30 Minute Club (2005)
- Rufus W. Beamer Professional Development Award (2005)
- Alpha Tau Alpha - Professional Honorary Agricultural Education Fraternity Inductee (2003)
- Omicron Tau Theta - The Honor Society of Vocational Education; Inducted 2003.