CURRICULUM VITA

I. Academic/Professional Background

A. Name: Austin Bates Talley, Ph.D., P.E. Title: **Associate Professor of Practice**

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Ph.D.	2013	University of Texas at Austin	Mechanical Engineering – Manufacturing and Design Area	Universal Design: Designing Products that All Individuals Can Use
M.S.E.	2008	University of Texas at Austin	Mechanical Engineering – Manufacturing and Design Area	Understanding the Effects of Active Learning in Action: Analyzing and Improving Learning with Engineering Design
B.S.	2002	Texas A&M University – College Station	Mechanical Engineering	

C. University Experience

Position	*University*	*Dates*
Associate Professor of Practice	Texas State University	Aug. 2025 – present
Assistant Professor of Practice	Texas State University	Aug. 2020 – Aug. 2025
Senior Lecturer	Texas State University	Aug. 2015 – Aug. 2020
Lecturer	Texas State University	June 2013 – Aug. 2015
Graduate Research Assistant /Teaching Assistant	University of Texas at Austin	Aug. 2006 – June 2013

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Design and Development Engineer	13 Bar Zero Designs	Sept. 2018 – May 2022
Part-time working as part of a startup developing unique products in the area of mountaineering and hiking. Group is primary focused on intellectual property from unique ideas from this niche industry.		
Engineering Professional Design Consultant	Self Employed.	Sept. 2007 – May 2013
Part-time professional consulting for non-profits in developing curriculum, teaching, and assessment of programs that implement engineering design concepts in STEM subject areas. Provided services for programs that focused on teacher professional development of engineering		

design-based learning curriculum. Developed and implemented assessment plans for clients who were implementing their own engineering curricula. Some of the clients include the Transformation 2013 Texas STEM (T-STEM) Center, Texas Education Service Center 20, Texas Education Service Center 13, and Austin's Children's Museum. This part-time consulting averaged to a quarter-time employment across these 5.75 years.

Quality Engineer	National Instruments Inc.	June 2004 – Aug. 2006

Supported the Quality Department as a project designer, manager, instructor, and technical leader in quality initiatives. Formally trained over 150 employees in root cause analysis. Led effort to bring about adoption of the Top Corrective Action program in manufacturing department. Trained in Six Sigma green belt and lean Kaizen manufacturing process improvement. Project lead on the ISO 9001 quality program corporate certification. Supported Continuous Improvement initiatives throughout the manufacturing divisions in Austin, Texas and in Debrecen, Hungary. Led efforts to train engineering mentors who served 150 classrooms in the Texas Hill Country area.

Applications Engineer	National Instruments Inc.	Aug. 2002 – June 2004

Taught over 500 hours of graphical programming to scientists and engineers in a variety of locations in the US and Canada. Was an author for professional software certification and external course curriculum. Provided technical expertise to solve customers' technical challenges with implementing National Instruments' products. This expertise included problem solving and designing computer programming code for more than a hundred companies including: NASA, Lockheed, Jet Propulsion Laboratory, Massachusetts Institute of Technology, VI Systems, University of Mississippi, and individual contractors. Volunteered in inner city elementary schools teaching engineering concepts with RoboLAB software. Recognized as a technical expert in National Instruments' measurement and automation software packages (LabVIEW, CVI, LabVIEW Real Time, and Lookout) and hardware products (DAQ, GPIB, and Fieldpoint). Led projects with Academic Marketing, RoboLAB-Community Relations, and R&D.

Applications Engineer Co-op	National Instruments Inc.	Jan. 2001 – May 2001

Supported technical marketing and the industrial automation R&D group by designing and fabricating an industrial automation chemical plant demonstration for technical tradeshows.

Maintenance Engineer Co-op	Hampshire Chemical Inc.	May 2000 – Aug. 2000

Worked for three months at the facility during a series of quality initiatives aimed an integrating the facility into the Dow culture. Designed and implemented small design projects and safety inspections. Gained experience working in specialty small batch chemical production.

Reliability Engineer Co-op	Dow Chemical Inc.	Aug 1999 – Dec. 1999

Worked on a team that investigated and overhauled pump failures during shutdowns at three Chlor-Alkali plants. Implemented plant reliability studies, assembled asset utilization data, and completed small design projects. Supervised night crews overhauling equipment during

emergency shutdowns. Gained experience of working in an industrial environment across five Chlor-Alkali plants.

E. Other Professional Credentials (licensure, certification, etc.)

Credential	*Entity*	*Date Granted*
Professional Engineer (PE) (Mechanical) License #104816	Texas Board of Professional Engineers	2009

II. TEACHING

A. Teaching Honors and Awards:

Excellence in Teaching – COSE College Achievement Awards-2024
Presidential Distinction Award for Excellence in Teaching- TXState -2023
New Braunfels Herald Zeitung Kudos Award -2023
Green Cat Challenge Faculty Award -2022
Ingram School of Engineer Award for Teaching -2021
Presidential Distinction Award for Excellence in Teaching- TXState -2020
Teaching Award of Honor -Texas State Alumni Association - 2020
Greatest Impact on Student's Success at TXState- Univ. Veteran Advisory Council - 2019
Influential Faculty-Graduating Student Recognition of Campus Support, TXState – 2019
Influential Faculty-Graduating Student Recognition of Campus Support, TXState - 2018
Favorite Professor – Alpha Chi National College Honor Society- Alfred H. Nolle Ch.- 2018
Favorite Professor – Alpha Chi National College Honor Society- Alfred H. Nolle Ch.- 2017
Favorite Professor – Alpha Chi National College Honor Society- Alfred H. Nolle Ch.- 2016
Part-Time Faculty Excellence in Teaching Award – College of Science & Engineering - 2014

B. Courses Taught:

Texas State University

Assistant Professor of Practice/Senior Lecturer/Lecturer

ME 3361 Computer Aided Design and Digital Manufacturing	Fall 2024, Spring 2025
ME 1101 Introduction to Digital Mechanical Engineering Lab	Spring 2023, 2024, 2025 Fall 2023
MFGE 4391: Senior Design II	Spring 2019, 2020, 2021, 2022, 2023
MFGE 4390: Senior Design I	Fall 2018, 2019, 2020, 2021, 2022
US 1100: University Seminar	Fall 2017
MFGE 4363: Concurrent Process Engineering	Spring 2016, 2017, 2018 Fall 2016, 2017
MFGE 4395: Computer Integrated Manufacturing	Spring 2016, 2017, 2018, 2019, 2020, 2021, 2022 Fall 2017, 2018, 2019, 2020, 2021
ENGR 2300: Materials Engineering	Fall 2015,

	Spring 2015
ENGR 3311: Mechanics of Materials	Fall 2014
MFGE 2332: Material Selection and Manufacturing Process	Spring 2014, 2015, Fall 2014, 2015, 2016
MFGE 3316: Computer Aided Design and Manufacturing.	Fall 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021 Spring 2016, 2017, 2018, 2020, 2021, 2022
TECH 2342: Construction Materials and Processes	Summer 2013

University of Texas at Austin

Teaching Assistant - Mechanical Engineering

ME 388 : Machine Elements	Summer 2008, 2009
ME 366J: Mechanical Engineering Design Methodology	Spring 2008
UGS 302:The Engineered World: Products and Innovations	Fall 2007, 2008, 2009

Co-Instructor - Design, Technology, and Engineering for All Children (DTEACh)

Professional Development Institute for K-12 Teachers

DTEACh Basic (80 hour two week)	Summer 2006, 2007, 2008
DTEACh Basic (40 hour one week)	Summer 2009, 2011, 2012
DTEACh Solar Energy (8 hour one day)	Spring 2010, 2011, 2012
DTEACh Programing (8 hour one day)	Spring 2007, 2008, 2009
DTEACh Robotics (8 hour one day)	Fall 2010, 2011, 2012

Consultant - Texas Education Service Center Region 20 and 13

Instructor – Partnership with Sul Ross University - Del Rio

Professional Development Institute for 6-12 Teachers and Student Robotics Camp

Underwater Robotics - Uvalde CISD (40 hour one week)	Summer 2010
Underwater Robotics - Crystal City ISD (40 hour one week)	Summer 2010
Underwater Robotics - Dilley ISD (40 hour one week)	Summer 2011
Underwater Robotics - Eagle Pass ISD (40 hour one week)	Summer 2011

National Instrument Corporation

Instructor – Customer Education Training

LabVIEW Basics I&II (40 hour one week) (Qty 6)	2003, 2004
LabVIEW Intermediate I&II (40 hour one week) (Qty 2)	2004
LabVIEW Instrument Control (24 hour three day)	2004
LabVIEW Field Point (24 hour three day)	2004
Lookout Industrial Automation (40 hour one week)	2004

Instructor – Quality Engineering Training

Six Steps – Root Cause Analysis (16 hour two day)(Qty 3)	2004
Six Steps – Root Cause Analysis (8 hour one day) (Qty 5)	2005, 2006

C. Graduate Theses/Dissertations or Exit Committees (* = supervisor):

Joshua Ely Master in Science Thesis Committee	in progress
Micheal Quinto Undergraduate Honor Thesis Supervisor	2023
Liam Omer Master in Science Thesis Committee	2022
John Ivey Masters of Science in Engineering Management Committee	2022

Conner Hammond Master in Science Thesis Committee 2022
William Schneider Master in Science Thesis Committee 2019

D. Courses Prepared and Curriculum Development:
Developing ME 3361 Computer Aided Design and Digital Manufacturing class and lab 2023-present
Developed ME 1011 Introduction to Digital Mechanical Engineering Lab 2022-2023

E. Funded External Teaching Grants and Contracts:
Hunt & Hunt LLC – Manufacturing Senior Design Grant (10,000) 2024
Hunt & Hunt LLC – Manufacturing Senior Design Grant (20,000) 2023
Hunt & Hunt LLC – Manufacturing Senior Design Grant (15,000) 2022
Hunt & Hunt LLC – Manufacturing Senior Design Grant (5,000) 2021
Hunt & Hunt LLC – Honors Thesis Project Grant (5,000) 2021
Hunt & Hunt LLC – Manufacturing Senior Design Grant (5,000) 2020
Hunt & Hunt LLC – Manufacturing Senior Design Grant (5,000) 2019
Hunt & Hunt LLC – Manufacturing Senior Design Grant (5,000) 2018

I. Other:
H-LSAMP Faculty Mentor Fall 2015-Present

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press)

2. Articles

a. Refereed Journal Articles:
(* denotes corresponding author, ^ denotes supervised graduate student)

Talley, K*., Ivey, J., Talley, A., Smith, S., & Torres, A. (2025). Managing the Making: Developing Makerspace Management Software to Efficiently Improve Access and Safety. IJAMM. https://doi.org/10.21428/70cb44c5.d9a87217

Talley, A*., and Mason, S., (2015). Patent practitioners: Global insight into early-stage technology and future engineering skills. QScience Proceedings: Vol. 2015, Engineering Leaders Conference 2014, 37.

Linsey, J*., Talley, A., White, C., Jensen, D., and Wood, K., "From Tootsie Rolls to Broken Bones: An Innovative Approach for Active Learning in Mechanics of Materials," Advances in Engineering Education Journal 1(3) Winter 2009.

3. Conference Proceedings

a. Refereed Conference Proceedings:

Compeau, R., Talley, K. and Talley, A., "Classicle Sticks: An Activity to Improve Student Engagement " 2024 American Society for Engineering Education Annual Conference, Portland Oregon, 2024.

Talley, A., Talley, K., and Verde, P., "MAKER: Recycling HDPE in an Academic Makerspace," 2023 American Society for Engineering Education Annual Conference, Baltimore Maryland, 2023.

Compeau, R., and Talley, A., "(Wave) Guiding EE's Out Of The Capstone Box," 2022 American Society for Engineering Education Annual Conference, Minneapolis Minnesota, 2022.

Compeau, R., and Talley, A., "Senior Design Day During a Pandemic: Virtually the Same as In-person?," 2021 American Society for Engineering Education Annual Conference, Virtual, 2021.

Compeau, R., and Talley, A., "Is Our Capstone Mentorship Model Working?," 2020 American Society for Engineering Education Annual Conference, Virtual, 2020.

Hotchkiss, S., Talley, K., Londa, M., and Talley, A., "Do I Belong in a Makerspace?: Investigating Student Belonging and Non-verbal Cues in a University Makerspace," 2019 American Society for Engineering Education Annual Conference, Tampa, Florida, 2019.

Compeau, C., and Talley, A., "Active Learning in Electrical Engineering: Measuring the Difference," 2019 American Society for Engineering Education Annual Conference, Tampa, Florida, 2019.

Talley, A., and Compeau, C., "Senior Design Day – Multi-discipline and Multi-department Capstone Presentation Event," 2018 American Society for Engineering Education Annual Conference, Salt Lake City, Utah, 2018.

Talley, A., and Talley, K., "Work in Progress: Teaching Design Theory and Mastercam in a Hybrid Flipped Classroom Environment," 2017 American Society for Engineering Education Annual Conference, Columbus, Ohio, 2017.

Talley, A., and Talley, K., "MAKER: Public Engineering: Informal Interactive Video and Electronic Poster Hallway Learning Experience," 2016 American Society for Engineering Education Annual Conference, New Orleans, Louisiana 2016.

Talley, A., and Mason, S., "Patent Practitioners — Global Insight into Early-Stage Technology and Future Engineering Skills," Engineering Leaders Conference on Engineering Education, Doha, Qatar, 2014.

Talley, A., Crawford, R., and White, C., "Curriculum Exchange: Middle School Students Go Beyond Blackboards to Solve the Grand Challenges," 2013 American Society for Engineering Education Annual Conference, Indianapolis, Indiana, 2013.

Crawford, A., White, C., Muller, C., Petrosino, A., Talley, A., and Wood, K., "Foundations and Effectiveness of an Afterschool Engineering Program for Middle School Students," 2012 American Society for Engineering Education Annual Conference, San Antonio, Texas, 2012.

Talley, A., "Doing Engineering Education Research Outside of Your Research Group: A Case Study," Poster Proceedings of 2012 American Society for Engineering Education Annual Conference, San Antonio, Texas, 2012.

Talley, A., Talley, K., and Crawford, C., "Engineering Applicability of a Universal Design Performance Measure," 2011 American Society of Mechanical Engineering 2011 International Design Engineering Technical Conference, Washington, DC, 2011.

Talley, A., White, C., Wood, K., and Crawford, C., "Longitudinal Evaluation of Project-Based Professional Development Institute: Mixed Method Assessment with MBTI Type Correlations," 2011 American Society for Engineering Education Annual Conference, Vancouver, British Columbia, Canada, 2011.

Talley, A., "Helping Students Build: Prototyping Kit of Student Design," 2011 American Society for Engineering Education Gulf Southwest Annual Conference, Houston, Texas, 2011.

Talley, A., White, C., Wood, K., and Crawford, C., "Designing Interdisciplinary Curriculum & Teaching: Investigating Innovation & Our Engineering World," 2010 American Society for Engineering Education Annual Conference, Louisville, Kentucky, 2010.

Talley, A., and Albert, J., "Reviving an ASEE Student Chapter: Taking a Student Chapter from Dormant to Active," Poster for Proceeding of the 2010 American Society for Engineering Education Annual Conference, Louisville, Kentucky, 2010.

White, C., Talley, A., Wood, K., and Crawford, C., "Influences and Interests in Humanitarian Engineering," 2010 American Society for Engineering Education Annual Conference, Louisville, Kentucky, 2010.

Jensen, D., White, C., Talley, A., Crawford, C., and Wood, K., "From Brainstorming to C-Sketch to Principles of Historical Innovators: Ideation Techniques to Enhance Student Creativity," 2010 American Society for Engineering Education Annual Conference, Louisville, Kentucky, 2010.

White, C., Talley, A., Wood, K., and Crawford, C., "Curriculum Design for Design Curriculum," 2010 Consortium for Research in Teacher Education Annual Symposium, Austin, Texas, 2010.

Talley, A., "Ways to Measure the Impact of an After-School Robotics Outreach Program," 2010 American Society for Engineering Education Gulf Southwest Annual Conference, Lake Charles, Louisiana, 2010.

Talley, A., Schmidt, K., and Crawford, R., "Who Says LEGOs are Just Toys? – Creating LEGO Prototypes for K-5 Design Challenges Using Functional Modeling," 2009 American Society for Engineering Education Annual Conference, Austin, TX, 2009.

Talley, A., Fowler, M., Soontornvat, C., Schmidt, K., and Crawford, R., "Did it Work? - Analysis of Ways to Measure the Impact of an After-School Robotics Outreach Program," 2009 American Society for Engineering Education Annual Conference, Austin, TX, 2009.

Talley, A., "Engineering Product Development with Universal Design," ASME 2009 Early Career Technical Conference, Arlington, TX, 2009.

Talley, A., and Crawford, R., "Who Says LEGOs Are Just Toys? - Creating LEGO Prototypes For Design Challenges Using Functional Modeling," Poster Proceedings of 2008 Graduate and Industry Networking Conference, Austin, TX, 2009.

Talley, A., "Understanding the Effects of Active Learning in Action: Analyzing and Improving Learning with Engineering Design." Thesis, The University of Texas at Austin, August, 2008.

Talley, A., Schmidt, K., Wood, K., and Crawford, R., "Active Learning in Action, Understanding the Effects: What Happens When the 'New' Wears Off in Teacher Training," 2008 American Society for Engineering Education Annual Conference, Pittsburgh, PA, 2008.

Talley, A., Linsey, J., Schmidt, K., Jensen, D., and Wood, K., "Active Learning Products to Enhance Mechanics Education – Design, Development, Implementation and Assessment," Poster Proceedings of 2008 American Society for Engineering Education Annual Conference, Pittsburgh, PA, 2008.

Linsey, J., Talley, A., Jensen, D., Wood, K., and Schmidt, K., "PHLIpS for Active Learning," Proceedings of 2008 American Society for Engineering Education Annual Conference, Pittsburgh, PA, 2008.

Talley, A., "Active Learning in Action: Understanding the Effects," Poster Proceedings of 2008 Graduate and Industry Networking Conference, Austin, TX, 2008.

Linsey, J., Talley, A., Schmidt, K., Cobb, B., Jensen, D., and Wood, K. L., "Using Active Learning to Enhance Student Understanding in Engineering Mechanics," Poster Proceedings of 2007 American Society for Engineering Education Annual Conference, Honolulu, HI, 2007.

Linsey, J., Talley, A., Jensen, D., Wood, K., Schmidt, K., Kuhr, R., and Eways, S., "From Tootsie Rolls to Composites: Assessing a Spectrum of Active Learning Activities in Engineering Mechanics," Proceedings of 2007 American Society for Engineering Education Annual Conference, Honolulu, HI, 2007.

Nippert, M., Brantley, J., Panga, A., Putnam, N., Talley, A., and Walther, B., "Design of an Assistive Plant Watering System." Conference Proceedings of Rehabilitation Engineering and Assistive Technology Society of North America Annual Conference, Phoenix, AZ, 2007.

Talley A., and Diaz, D., "Understanding LEGO Electrical Components: Motors, Sensors, and More," Conference Proceedings of International RoboLAB Conference, Austin, TX, 2005.

B. Works not in Print

1. Papers Presented at Professional Meetings:

American Society for Engineering Education, "Classicle Sticks: An Activity to Improve Student Engagement," Portland Oregon, 2024.

American Society for Engineering Education, "MAKER: Recycling HDPE in an Academic Makerspace," Baltimore Maryland, 2023.

American Society for Engineering Education, "(Wave) Guiding EE's Out Of The Capstone Box?," Minneapolis Minnesota, 2022.

American Society for Engineering Education, "Senior Design Day During a Pandemic: Virtually the Same as In-person?," Virtual, 2021.

American Society for Engineering Education, "Is Our Capstone Mentorship Model Working?," Virtual, 2020.

American Society for Engineering Education, "Active Learning in Electrical Engineering: Measuring the Difference," Tampa, Florida, 2019.

American Society for Engineering Education, "Senior Design Day – Multi-discipline and Multi-department Capstone Presentation Event," Salt Lake City, Utah, 2018.

American Society for Engineering Education, "Work in Progress: Teaching Design Theory and Mastercam in a Hybrid Flipped Classroom Environment," Columbus, Ohio, 2017.

American Society for Engineering Education, "MAKER: Public Engineering: Informal Interactive Video and Electronic Poster Hallway Learning Experience," New Orleans, Louisiana 2016.

Engineering Leaders Conference on Engineering Education, "Patent Practitioners — Global Insight into Early-Stage Technology and Future Engineering Skills," Doha, Qatar, 2014.

American Society for Engineering Education, "Curriculum Exchange: Middle School Students Go Beyond Blackboards to Solve the Grand Challenges," Indianapolis, Indiana, 2013.

American Society for Engineering Education, "Foundations and Effectiveness of an Afterschool Engineering Program for Middle School Students," 2012 Annual Conference (San Antonio, Texas)

American Society for Engineering Education, "Doing Engineering Education Research Outside of Your Research Group: A Case Study," 2012 Annual Conference (San Antonio, Texas)

American Society for Engineering Education, "Longitudinal Evaluation of Project-Based Professional Development Institute: Mixed Method Assessment with MBTI Type Correlations," 2011 Annual Conference (Vancouver, British Columbia, Canada)

American Society for Engineering Education Gulf Southwest, "Helping Students Build: Prototyping Kit of Student Design," 2011 Annual Conference (Houston, TX)

American Society for Engineering Education, "Reviving an ASEE Student Chapter: Taking a Student Chapter from Dormant to Active," 2010 Annual Conference (Louisville, KY)

Consortium for Research in Teacher Education, "Curriculum Design for Design Curriculum," 2010 Annual Symposium (Austin, TX)

American Society for Engineering Education Gulf Southwest, "Ways to Measure the Impact of an After-School Robotics Outreach Program," 2010 Annual Conference (Lake Charles, LA)

American Society for Engineering Education, "Who Says LEGOs are Just Toys? – Creating LEGO Prototypes for K-5 Design Challenges Using Functional Modeling," 2009 Annual Conference (Austin, TX)

American Society for Engineering Education, "Did it Work? - Analysis of Ways to Measure the Impact of an After School Robotics Outreach Program," 2009 Annual Conference (Austin, TX)

American Society of Mechanical Engineers, "Engineering Product Development with Universal Design," 2009 Early Career Technical Conference, (Arlington, TX)

Graduate and Industry Networking Conference, "Who Says LEGOs Are Just Toys? - Creating LEGO Prototypes For Design Challenges Using Functional Modeling," 2009 Poster Proceedings (Austin, TX)

American Society for Engineering Education, "Active Learning in Action, Understanding the Effects: What Happens When the 'New' Wears Off in Teacher Training," 2008 Annual Conference (Pittsburgh, PA)

American Society for Engineering Education, "Active Learning Products to Enhance Mechanics Education – Design, Development, Implementation and Assessment," Poster Proceedings of 2008 Annual Conference (Pittsburgh, PA)

Graduate and Industry Networking Conference, "Active Learning in Action: Understanding the Effects," 2008 Poster Proceedings (Austin, TX)

Rehabilitation Engineering and Assistive Technology Society of North America, "Design of an Assistive Plant Watering System." 2007 Annual Conference, (Phoenix, AZ)

International RoboLAB Conference, "Understanding LEGO Electrical Components: Motors, Sensors, and More," 2005 Conference, (Austin, TX)

2. Invited Talks, Lectures, and Presentations:

STEMsation Conference, "Light Up Your Imagination with Hands-on STEM," 2011 Education Service Center Region 20, (San Antonio, TX)

LeTourneau University, "Methodology for Engineering Products with Universal Design," 2010 Guest Speaker in Engineering Design Course (Longview, TX)

LeTourneau University, "Using Design with Hands-on Active Learning in the Classroom," 2010 Guest Speaker of College of Education (Longview, TX)

Texas Computer Education Association, "Engineering Products with Universal Design," 2011 High School Student Robotics Webinar, (TX)

4. Workshops:

Eagle Pass Independent School District, "Rio Grande College Title V Underwater Robotics Science Camp and Teacher Professional Development Institute," 2011 (Eagle Pass, TX)

Dilley Independent School District, "Rio Grande College Title V Underwater Robotics Science Camp and Teacher Professional Development Institute," 2011 (Dilley, TX)

Uvalde Consolidated Independent School District, "Rio Grande College Title V Underwater Robotics Science Camp and Teacher Professional Development Institute," 2010 (Uvalde, TX)

Crystal City Independent School District, "Rio Grande College Title V Underwater Robotics Science Camp and Teacher Professional Development Institute," 2010 (Crystal City, TX)

D. Fellowships, Awards, Honors:

Fellowship/Award/Honor	Entity	Dates
Presidential Distinction Award for Excellence in Teaching	Texas State University	2023
Green Cat Challenge Faculty Award	Texas State University Environment and Sustainability Committee	2022
Teaching Award	Ingram School of Engineering	2021
Presidential Distinction Award for Excellence in Teaching	Texas State University	2020
Teaching Award of Honor	Texas State Alumni Association	2020
Greatest Impact on Student's Success at TXState	Univ. Veteran Advisory Council - Texas State University	2019
Influential Faculty	Graduating Student Recognition of Campus Support, TXState	2019
Influential Faculty	Graduating Student Recognition of Campus Support, TXState	2018
Favorite Professor	Alpha Chi National College Honor Society- Texas State University	2018
Favorite Professor	Alpha Chi National College Honor Society- Texas State University	2017
Favorite Professor	Alpha Chi National College Honor Society- Texas State University	2016
Part Time Faculty Excellence in Teaching Award	Texas State University	2014
Engineering Student Leadership Award	University of Texas at Austin	2013

Finalist in RESNA Student Design Competition	RESNA	2007
Cockrell Graduate Fellowship	Cockrell Foundation	2006-2011
Competent Toastmaster	Toastmaster International	2005
Tau Beta Pi	Texas A&M University	2001
Kappa Theta Epsilon	Texas A&M University	2001
Pi Tau Sigma,	Texas A&M University	2000
T.R. Spence Award in Engineering Design Graphics	Texas A&M University	1998
President's Endowed Scholar,	Texas A&M University	1997
Co-Valedictorian	Stratford High School	1997
Eagle Award	Boy Scouts of America	1994

IV. SERVICE

A. Institutional

1. University:

Texas State University: San Marcos, TX

TXST Provost and Executive VP for Academic Affairs Search Committee	2023
University IT Procurement Implementation Team	2023-present
TXST Faculty Senate's Nontenure Line Faculty Committee	2022-present
TXST Faculty Senate's Nontenure Line Promotion Committee	2022-2023
Ingram Hall Makerspace Coordinator (open to all TXState Students)	2019 – present
American Society for Engineering Education - Contact Representatives	2019 – present
American Society for Engineering Education – Design in Engineering Education Division – Board Member – Historian	2019 – 2021
Research Fellow, LBJ Institute for STEM Education and Research	2021 – present
Judge for the Texas State SXSW Innovation Lab Judging Session	2018
Supported Ingram Hall Ribbon cutting with Makerspace demonstrations and 3D printed commemorative prints	2018
Undergraduate MFGE Career Mentoring	2013 – present
Graduate Faculty	2018 – present

University of Texas at Austin

President, American Society for Engineering Education Student Chapter	2008 – 2011
Vice President, American Society for Engineering Education Student Chapter	2007 – 2008

Texas A & M University: College Station, Texas

Chapter Vice President, Texas A&M Kappa Theta Epsilon	2001-2002
Chapter Vice President, Texas A&M Pi Tau Sigma	2000 – 2001
Society Representative, Texas A&M Student Engineering Council	2000 – 2001

2. College:

Texas State University: San Marcos, TX

Mechanical Engineering Proposal Faculty Writing Committee	2020-2021
ESB/Ingram Hall Classroom Design Committee	2016 – 2018
Undergraduate Marshal for COSE commencement ceremony	2017, 2023
COSE New Students Advising – MFGE Faculty Advisor	2015-2020
Bobcat Days	2014 – 2017
H-LSAMP Faculty Mentor (10 mentees)	2015 – present

3. Departmental:

Texas State University: San Marcos, TX

Faculty Search Committee -ME Assistant Professor	2022-2023
Ingram School of Engineering Non-Tenure Track Career Advancement Committee	2023-present
Developed new ME 1101 Introduction to Digital Mechanical Engineering Lab	2023
Faculty Search Committee -ME Professor of Practice	2021-2022
Developed new courses MFGE 4390: Senior Design I and MFGE 4391: Senior Design II	2017 - 2018
Organizing, Planning, & Launching 11,000 sqft. Ingram Hall MakerSpace	2016 – 2019
Ingram School of Engineering Senior Design Day Committee	
Chair	2019 - present
Member	2017 - present
Giving tours and overview of the Ingram School of Engineering for Texas State Heroes	2018- present
Giving tours and overview of the Ingram School of Engineering for Athletics	2016-2020
Organized & hosted Ingram School of Engineering Insight day three times a year	2015 – 2020
Career mentoring manufacturing engineering students	2014 – 2022
Hosted 800 Prefreshman Engineering Program students visit to Ingram School of Engineering	2014

B. Professional:

American Society for Engineering Education: Design in Engineering Education Division

Peer Reviewer	2016 – present
Division Director	2020 – 2021

American Society for Engineering Education

Campus Representative	2020 – present

American Society for Engineering Education: Student Division

Peer Reviewer	2008 – 2013

American Society for Engineering Education

Member	2006 – present

C. Community:

New Braunfels Presbyterian Church	
Member	2013 – present
Fellowship Committee	2016 – present
Session	2016 – 2019
Wurstfest Association - Kleine Opa	2022- present
German American Society of New Braunfels	2018- present
Heritage Society of New Braunfels – Board Member	2022- present
New Braunfels Conservation Society- Booth Committee	2018- present
Scout Troup 133 – Troup Committee	2023- present
Cub Scout Pack 163 – Assistant Den Leader	2019- 2024
Sophienburg Verien Member	2021- present
Leadership New Braunfels Alumni Association	2023- present
Die Froehliche Tanzgruppe – Folk Dance Group	2021- present

D. Service Honors and Awards:

Excellence in Service – COSE College Achievement Awards	2024
Excellence in Service – COSE College Achievement Awards	2023
Leadership New Braunfels 2023 Award	2023
Herald Zeitung Kudos Award	2023
Board Membership -New Braunfels Heritage Society	2022
Green Cat Challenge Faculty Award	2022
Kleine Opa – Wurstfest Association – New Braunfels	2022
Volunteer VIP Award - New Braunfels Conservation Society	2021
Excellence in Service – COSE College Achievement Awards	2021
Board President - Edelweiss Kinderchor of New Braunfels Texas	2021
Excellence in Service – COSE College Achievement Awards	2020
Excellence in Service – COSE College Achievement Awards	2019
University of Texas at Austin, Cockrell School of Engineering	
Engineering Graduate Student Leadership Service Award	2013
McNeil High School: Principle for the Day: Round Rock, TX	2005