TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Hamilton L. Hardison Title: Assistant Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2018	University of Georgia	Mathematics Education	Investigating High School Students' Understandings of Angle Measure
MED	2008	University of Georgia	Mathematics Education	
BSED	2006	University of Georgia	Mathematics Education	

C. University Experience

Position	*University*	*Dates*
Assistant Professor, Mathematics	Texas State University. San Marcos, TX, United States	August 2020 - Present
Lecturer, Mathematics	Texas State University. San Marcos, TX, United States	January 2018 - May 2020
Graduate Assistant, Mathematics & Science Education	University of Georgia. Athens, GA, United States	August 2012 - May 2017

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Mathematics Teacher	Mathematics, Monsignor Donovan Catholic High School, Athens, GA, United States	August 2006 - May 2012

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

Mathematics (6-12), Georgia Professional Standards Commission. (June 27, 2006 - June 30, 2016).

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Nominee: Faculty Award for Excellence in Teaching, Texas State University Mathematics Department.
November 2023

Award / Honor Nominee: Faculty Award for Excellence in Teaching, Texas State Mathematics Department.
November 2022

Award / Honor Nominee: Faculty Award for Excellence in Teaching, College of Science & Engineering.
January 2021

Award / Honor Recipient: Faculty Award for Excellence in Teaching, TXST Mathematics Department.
2020
2019

Award / Honor Recipient: Teaching Award of Honor, Texas State Alumni Association.
2020

Award / Honor Recipient: STAR Teacher Award, Clarke County School System.
2012

Award / Honor Recipient: STAR Teacher Award, Monsignor Donovan Catholic High School.
2012

Award / Honor Recipient: STAR Teacher Award, Monsignor Donovan Catholic High School.
2010

B. Courses Taught:

Texas State University:

CI 4350 - MATH INT ELEM CURR

MATH 1312 - COLLEGE STAT & ALG

MATH 2311 - PRINC OF MATH I

MATH 2311 - PRINCIPLES OF MATHEMATICS I

MATH 2312 - INFORMAL GEOMETRY

MATH 2328 - ELEMENTARY STATS

MATH 3315 - MOD GEOMETRY

MATH 5303 - HIST OF MATH

MATH 7111 - SEMINAR IN TCHING

MATH 7302 - HISTORY OF MATH

MATH 7306 - RESRCH IN MATH ED

MATH 7378C - FUNDMNTL MTH IDEAS

MATH 7399A - DISSERTATION

University of Georgia:

EMAT 3400 - Children's Mathematical Learning

F. Other:

Continuing Education, Developing Fractional Understandings, KIPP Metro Atlanta Schools. Atlanta, GA, United States. 21. (January 2017).

Continuing Education, Using Student Thinking to Guide Instruction on Fractions, Northeast Georgia Regional Educational Service Agency. Athens, GA, United States. 30. (October 2015 - March 2016).

Guest Lecture, University of Georgia Doctoral Seminar, University of Georgia. (October 31, 2024).

Guest Lecture, Math 7324. (October 19, 2023).

Guest Lecture, Math 7306. (September 21, 2022).

Guest Lecture, Math 7324. (October 27, 2021).

Guest Lecture, Math 7328. San Marcos, TX, United States. (April 1, 2021).

Guest Lecture, Math 7306. (September 25, 2019).

Guest Lecture, Math 7306. (September 19, 2017).

G. Teaching Professional Development Activities Attended

Workshop, "Providing Effective Feedback on Graduate Student Writing," Texas State University. (February 22, 2024).

Workshop, "Bobcats From All Over the World: Supporting International Graduate Students," Texas State University. (March 2023).

Self-Study Program, "TXST Cybersecurity Training," Texas State University, San Marcos, United States. (February 2023).

Workshop, "Wait! Shouldn't Students Know That Already? Why Students Don't Know What You Think They Should Know and What You Can Do About It.," Texas State University. (January 25, 2023).

Workshop, "Retention for Undergraduate Aspiring Teachers: First Year Student Through Early Career Teacher," TXST College of Education. (September 26, 2022).

Self-Study Program, "Tools for an Ethical Workplace (Ethics and Compliance)," Texas State University. (August 10, 2022).

Tutorial, "3D Printer Training," Texas State University, San Marcos, TX, United States. (April 6, 2022).

Self-Study Program, "Preventing Harassment and Discrimination (EEO & Title IX)," Texas State University, San Marcos, TX. (January 31, 2022).

Workshop, "ESCALA: Culturally Responsive Teaching for Faculty at HSIs," Texas State University. (January 28, 2022).

Workshop, "Diversity 101," Texas State University, San Marcos, TX. (April 13, 2021).

Self-Study Program, "Cybersecurity Training," Texas State University, San Marcos, TX, United States. (April 2, 2021).

Workshop, "Designing Open Book/Open Note Multiple Choice Exams," Texas State University, San Marcos, TX, United States. (January 12, 2021).

Workshop, "Academic Best Practices Workshop," Texas State University. (October 9, 2020).

Self-Study Program, "Equal Employment Opportunity & Title IX," Texas State University. (September 30, 2020).

Workshop, "Faculty and Staff: Supporting College Students through COVID-19," Counseling Center, San Marcos, TX, United States. (July 24, 2020).

Self-Study Program, "Teaching Online @ TxState," Distance Education, San Marcos, TX, United States. (June 22, 2020).

Workshop, "LGBTQiA Allies Training," Texas State University, San Marcos, TX. (June 25, 2019).

Workshop, "Supporting transgender and non-binary individuals in higher education settings." (October 18, 2018).

III. SCHOLARLY/CREATIVE

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

1. Books:

d. Chapters in Books:

Refereed:

Hardison, H. L. (2024). Researching Quantifications of Angularity Using Genetic Epistemology Constructs. In *Piaget's genetic epistemology for mathematics education research* (pp. 595–604). https://doi.org/10.1007/978-3-031-47386-9_20https://link.springer.com/chapter/10.1007/978-3-031-47386-9_20

Czocher, J. A., & Hardison, H. L. (2021). Attending to Quantities through the Modelling Space. In F. Leung, G. A. Stillman, G. Kaiser, & L. Wong (Eds.), *Mathematical Modelling Education in East and West* (pp. 263–272). Springer. Retrieved from https://doi.org/10.1007/978-3-030-66996-6_22https://doi.org/10.1007/978-3-030-66996-6_22

2. Articles:

a. Refereed Journal Articles:

Gomez Marchant, C. N., & Hardison, H. L. (2024). In the shadows of burgeoning Colossi: The whiteness of AI in mathematics teacher education. *Connections*, *33*(4). Retrieved from https://amte.net/sites/amte.net/files/Connections%28Gomez%20Marchant%29.pdfhttps://amte.net/sites/amte.net/files/Connections%28Gomez%20Marchant%29.pdf

Hardison, H. L. (2024). Mentally Making and Measuring Angles. *Mathematics Teacher: Learning and Teaching PK–12*, *117*(3), 217–223. https://doi.org/10.5951/MTLT.2023.0077https://doi.org/10.5951/MTLT.2023.0077

Bishop, J. P., Hardison, H. L., & Przybyla-Kuchek, J. E. (2022). Responsiveness to students' mathematical thinking in middle-grades classrooms. *Journal for Research in Mathematics Education*, *53*(1), 10 – 40.

Paoletti, T., Hardison, H. L., & Lee, H. Y. (2022). Students' static and emergent graphical shape thinking in spatial and quantitative coordinate systems. *For the Learning of Mathematics*, *42*(2), 48–50.

Czocher, J. A., Hardison, H. L., & Kandasamy, S. S. S. (2022). A bridging study analyzing mathematical model construction through a quantities-oriented lens. *Educational Studies in Mathematics*. Published.

Bishop, J. P., Hardison, H. L., Przybyla-Kuchek, J. E., & Hassay, E. L. (2020). Leveraging student thinking to foster productive discussions. *Mathematics Teacher: Learning and Teaching PreK-12*, *113*(12), 995 – 1002. https://doi.org/10.5951/MTLT.2019.0096

Lee, H. Y., Hardison, H. L., & Paoletti, T. (2020). Foregrounding the Background: Two Uses of Coordinate Systems. *For the Learning of Mathematics*, *40*(2), 32–37.

Hardison, H. L., & Lee, H. Y. (2020). Funky Protractors for Exploring Angle Measure. *Mathematics Teacher: Learning and Teaching PK-12*, *113*(3), 229–232. https://doi.org/10.5951/MTLT.2019.0214https://pubs.nctm.org/view/journals/mtlt/113/3/article-p229.xml

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Hardison, H. L., & Gomez-Marchant, C. N. (Accepted / In Press). Illustrated Story Problems: Prospective Teachers' Mathematically Pedagogical Usage of Text-to-Image Generative Artificial Intelligence. In *Proceedings of the 46th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.

Zolt, H. M., Rygaard Gaspard, B. R., Lee, H. Y., Paoletti, T., Hardison, H. L., Ford, L. L., … Bui, M. T. T. (Accepted / In Press). Modeling students' strategies when creating a graph: A focus on reference frames and coordinate systems. In *Proceedings of the 46th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.

Olshefke, A. J., Paoletti, T., Margolis, C., Lee, H. Y., Hardison, H. L., & Gantt, A. L. (Accepted / In Press). Students' meanings for coordinate systems: Continuous and ordered-discrete reference frames. In *Proceedings of the 46th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.

Paoletti, T., Margolis, C., Gantt, A. L., Hardison, H. L., Lee, H. Y., & Olshefke, A. (Accepted / In Press). Supporting learning through interpreting others'

solutions from a radical constructivist perspective: A theoretical report. In *Proceedings of the 46th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.

Hardison, H. L. (Accepted / In Press). Prospective Teachers, Counting, and Artificial Intelligence. In *Proceedings of the Psychology of Mathematics Education Conference (PME 47)*.

Hardison, H. L., Paoletti, T., Lee, H. Y., Rygaard Gaspard, B. R., Bui, M. T. T., Zolt, H. M., & Gantt, A. L. (Accepted / In Press). Designing graphing tasks from the ground up: The zoo tasks. In *15th International Mathematics Education Congress*.

Paoletti, T., Lee, H. Y., Hardison, H. L., Gantt, A., Zolt, H. M., Bui, M. T. T., … Acharya, S. (Accepted / In Press). Supporting Students' Meanings for Spatial Coordinate Systems. In *The 15th International Congress on Mathematical Education*.

Olshefke, A., Paoletti, T., Margolis, C., Gantt, A. L., Lee, H. Y., & Hardison, H. L. (2024). Different ways students interpret axes on graphs. In *Psychology of Mathematics Education Conference (PME 47)* (Vol. 1, p. 198). Retrieved from https://www.igpme.org/wp-content/uploads/2024/07/Vol-1-PME47-01-07-2024.pdfhttps://www.igpme.org/wp-content/uploads/2024/07/Vol-1-PME47-01-07-2024.pdf

Rygaard Gaspard, B. R., Lee, H. Y., Bui, M. T. T., Hardison, H. L., Paoletti, T., Tarigan, S. I., … Zolt, H. M. (2024). Middle School Students' Reasoning Through Graphing Conventions. In *Proceedings of the Psychology of Mathematics Education Conference (PME 47)* (Vol. 1, p. 265). Retrieved from https://www.igpme.org/wp-content/uploads/2024/07/Vol-1-PME47-01-07-2024.pdfhttps://www.igpme.org/wp-content/uploads/2024/07/Vol-1-PME47-01-07-2024.pdf

Hardison, H. L. (2023). Mental Operations for Altering Length and Preserving Angularity. In *Proceedings of the 45th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (Vol. 2, pp. 353–361).

Lee, H. Y., Paoletti, T., Zolt, H. M., Bui, M. T. T., Hardison, H. L., Gantt, A., & Rygaard Gaspard, B. R. (2023). A framework for designing graphing tasks from the ground up (Vol. 1, pp. 88–89). Reno, Nevada.

Hardison, H. L., Lee, H. Y., Guajardo, L. R., & Bui, M. T. T. (2022). How many angles do you see? Prospective teachers' assimilatory domains for angularity. In *Proceedings of the 44th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 583–591). Retrieved from http://www.pmena.org/pmenaproceedings/PMENA%2044%202022%20Proceedings.pdfhttp://www.pmena.org/pmenaproceedings/PMENA%2044%202022%20Proceedings.pdf

Hardison, H. L. (2021). What an angle measure measures for prospective teachers. In *Proceedings of the 43rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1147–1148).

Hardison, H. L. (2020). Acknowledging Non-Circular Quantifications of Angularity. In *Proceedings of the 42nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 671–675). Mexico. https://doi.org/10.51272/pmena.42.2020-98

Lee, H. Y., Hardison, H. L., Kularajan, S. S. K., & Guajardo, L. R. (2020). Establishing a Cartesian coordination in the ant farm task: A case of Ginny. In *Proceedings of the 42th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 931–939). Mazatlan, Mexico.

Hardison, H. L., & Lee, H. Y. (2020). Prospective Teachers' Strategies for Evaluating Non-Standard Angular Measurement Tools. In *Proceedings of the 42nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1615–1619). Mexico. https://doi.org/10.51272/pmena.42.2020-254

Hardison, H. L., & Lee, H. Y. (2020). Funky Protractors Created by Prospective Teachers. In *Proceedings of the 42nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 731–732). Mazatlan, Mexico. https://doi.org/10.51272/pmena.42.2020-108

Czocher, J. A., & Hardison, H. L. (2020). The Modeling Space: An Analytical Tool for Documenting Students' Modeling Activities. In S. S. Karunakaran, Z. Reed, & A. Higgins (Eds.), *Proceedings of the 23rd Annual Conference on Research in Undergraduate Mathematics Education* (pp. 769–776). Mathematical Association of America.

Hardison, H. L. (2019). Four attentional motions involved in the construction of angularity. In *Proceedings of the 41st Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 360–369). St. Louis, MO: University of Missouri.

Hardison, H. L., Przybyla-Kuchek, J., & Bishop, J. P. (2019). Student-to-student responsiveness in middle-grades classrooms. In *Proceedings of the 41st Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1708–1712). St. Louis, MO: University of Missouri.

Hardison, H. L., & Lee, H. Y. (2019). Supporting prospective elementary teachers' non-circular quantifications of angularity. In *Proceedings of the 41st*

Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (pp. 1340–1344). St. Louis, MO: University of Missouri.

Czocher, J. A., & Hardison, H. L. (2019). Characterizing Evolution of Mathematical Models. In S. Otten, A. G. Candela, C. de Araujo, C. Haines, & C. Munter (Eds.), *Proceedings of Psychology of Mathematics Education, North American Chapter* (pp. 864–873). St. Louis, MO: University of Missouri.

Hardison, H. L. (2018). Quantifying angularity: Circles optional. In T. E. Hodges, G. J. Roy, & A. M. Tyminski (Eds.), *Proceedings of the 40th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 638). Greenville, SC: University of South Carolina & Clemson University.

Paoletti, T., Lee, H. Y., & Hardison, H. L. (2018). Static and emergent thinking in spatial and quantitative coordinate systems. In T. E. Hodges, G. J. Roy, & A. M. Tyminski (Eds.), *Proceedings of the 40th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1315–1322). Greenville, SC: University of South Carolina & Clemson University.

Lee, H. Y., Hardison, H. L., & Paoletti, T. (2018). Two uses of coordinate systems: A conceptual analysis with pedagogical implications. In T. E. Hodges, G. J. Roy, & A. M. Tyminski (Eds.), *40th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1307–1314). Greenville, SC: University of South Carolina & Clemson University.

Hardison, H. L. (2017). Bertin's right (about) angle measure: We don't need to base degrees on 360. In *39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 388). Indianapolis, IN: Hoosier Association of Mathematics Teacher Educators.

Hardison, H. L., Stevens, I. E., Lee, H. Y., & Moore, K. C. (2017). Lydia's circle concept: The intersection of figurative thought and covariational reasoning. In *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 391). Indianapolis, IN: Hoosier Association of Mathematics Teacher Educators.

Lee, H. Y., & Hardison, H. L. (2017). Motivating the Cartesian plane: Using one point to represent two points. In *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 379–382).

Stevens, I. E., Paoletti, T., Moore, K. C., Liang, B., & Hardison, H. L. (2017). Principles for designing tasks that promote covariational reasoning. In

Proceedings of the twentieth annual conference on Research in Undergraduate Mathematics Education (pp. 928–936). San Diego, CA: The Special Interest Group of the Mathematical Association of America (SIGMAA) for Research in Undergraduate Mathematics Education.

Hardison, H. L. (2016). High school students' drawings of angles from haptic perceptions. In *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 302). Tucson, AZ: University of Arizona.

Bishop, J. P., Hardison, H. L., & Przybyla-Kuchek, J. (2016). Profiles of responsiveness in middle grades mathematics classrooms. In *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1173–1180). Tucson, AZ: University of Arizona.

Lee, H. Y., & Hardison, H. L. (2016). Spatial coordination as a prerequisite for representing quantitative coordination in two dimensions. In *Proceedings of the 38th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 304). Tucson, AZ: Arizona State University.

Hardison, H. L. (2016). Toward the same openness: Results from a teaching experiment in angle measure. In *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 301). Tucson, AZ: University of Arizona.

Hardison, H. L., Przybyla-Kuchek, J., & Bishop, J. P. (2015). A framework for teacher responsiveness. In *Proceedings of the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 1176). East Lansing, MI.

Hardison, H. L. (2015). Preliminary findings on two ninth graders' conceptions of angle and angle measure as gross quantity. In *Proceedings of the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 308). East Lansing, MI.

b. Non-refereed:

Stevens, I. E., Hardison, H. L., & Brown, A. (Accepted / In Press). High School Students' Figurative and Operative Thought When Reasoning About Distances. In *Proceedings of the 46th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.

4. Abstracts:

Hardison, H. L. (Accepted / In Press). Novel generic examples from a foundational geometry course: Angular occasions for justification, generalization, and theorem application. *AMS Sectional Abstracts*.

Lee, H. Y., & Hardison, H. L. (2017). Foregrounding the background: Two uses of coordinate systems. *Abstracts of Papers Presented to the American Mathematical Society*, *38*(1), 563–564.

10. Other Works in Print:

Doctoral Dissertations:

Hardison, H. L. (2018). Investigating High School Students' Understandings of Angle Measure. In *UGA Theses & Dissertations*. University of Georgia. Retrieved from http://getd.libs.uga.edu/pdfs/hardison_hamilton_l_201805_phd.pdfhttp://getd.libs.uga.edu/pdfs/hardison_hamilton_l_201805_phd.pdf

Instructional Materials:

Hardison, H. L. (2021). Funky Protractors. In *NCTM Illuminations*. NCTM. Retrieved from https://www.nctm.org/Classroom-Resources/Illuminations/Lessons/Funky-Protractors/https://www.nctm.org/Classroom-Resources/Illuminations/Lessons/Funky-Protractors/

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Hardison, H. L., Lee, H. Y., 14th International Congress on Mathematical Education, "Prospective Elementary Teachers' Evaluations of Non-standard Angular Measurement Tools," Shanghai, China. (September 2019).

Bishop, J. P., Hardison, H. L., Przybyla-Kuchek, J., Annual Meeting of the American Educational Research Association, "A closer look at teacher moves in mathematically responsive interactions," New York, NY. (April 2018).

Paoletti, T., Lee, H. Y., Gantt, A., Hardison, H. L., Zolt, H. M., Bui, M. T. T., NCTM 2023 Research Conference, "Guess where: A 6th-grader's graphing activity locating points in space," National Council of Teachers of Mathematics. (2023).

Hardison, H. L. (Presenter), 26th Annual Conference of the Association for Mathematics Teacher Educators, "Beyond Measuring Angles: Protractor Placement Tasks for Encouraging Reflection, Promoting Reasoning, and Foreshadowing Geometric Theorems," Association for Mathematics Teacher Educators, Las Vegas, NV, United States. (February 2022).

Hardison, H. L., Lee, H. Y., Twenty-Fourth Annual Conference of the Association of Mathematics Teacher Educators, "Funky Protractors: Examining Unconventional Measurement Tools to Spark Classroom Conversations," AMTE, Phoenix, AZ, United States. (February 2020).

Bishop, J. P., Przybyla-Kuchek, J., Hardison, H. L., 2019 National Council of Teachers of Mathematics Research Conference, "Key Indicators of Mathematically Responsive Classrooms," NCTM, San Diego, CA, United States. (April 2, 2019).

Hardison, H. L., Lee, H. Y., Twenty-Third Annual Conference of the Association of Mathematics Teacher Educators, "Supporting Prospective Elementary Teachers' Ways of Reasoning About Angle Measure: Effects of a Research-based Intervention," AMTE, Orlando, FL, United States. (February 2019).

Hardison, H. L., 2017 National Council of Teachers of Mathematics Research Conference, "A ninth grade student's conception of angle measure," NCTM, San Antonio, TX, United States. (April 2017).

Bishop, J. P., Przybyla-Kuchek, J., Hardison, H. L., 2017 National Council of Teachers of Mathematics Research Conference, "Classroom responsiveness over time: A case study," San Antonio, TX. (April 2017).

2. Invited Talks, Lectures, and Presentations:

Hardison, H. L., 2024 AMS Fall Central Sectional Meeting, "Novel Generic Examples from a Foundational Geometry Course: Angular Occasions for Justification, Generalization, and Theorem Application," American Mathematical Society, San Antonio, TX. (September 15, 2024).

Hardison, H. L., Texas State Math Graduate Programs Expo, "Prospective Teachers' Ways of Reasoning About Non-Standard Tools for Angular Measurement." (November 6, 2020).

Hardison, H. L., 2nd Annual Oklahoma-Texas Conference on Research in Undergraduate Mathematics Education, "Prospective Teachers' Ways of Reasoning About Funky Protractors," Stillwater, OK, United States. (November 2019).

5. Other Works not in Print:

c. Other Works Not in Print:

Demonstrations:

Hardison, H. L., Hooten, P., Phillips, J., 50th Annual Georgia Mathematics Conference, "Favorite Lessons from the NEGA AP Calculus Learning Community," GCTM, Eatonton, GA, United States. (October 2008).

Hardison, H. L., Turner, P., Blount, S., 49th Annual Georgia Mathematics Conference, "Favorite Lessons from the PRISM AP Calculus Learning Community," GCTM, Eatonton, GA, United States. (October 2007).

Departmental Presentations:

Hardison, H. L., TXST Mathematics Education Seminar, "Prospective Teachers' Mental Images of Circles: In-Progress Conceptual Analyses Occasioned by Teaching, Seminars, and Conferences," TXST Mathematics Education Seminar. (January 26, 2024).

Hardison, H. L., Texas State University Mathematics Education Seminar, "Implementing Protractor Placement Tasks with Prospective Teachers: Intentions and Outcomes," Texas State University, San Marcos, TX, United States. (April 9, 2021).

Hardison, H. L., Texas State University Mathematics Education Seminar, "Funky protractors and prospective elementary teachers' strategies for evaluating them." (October 18, 2019).

Hardison, H. L., Texas State University Statistics Seminar, "Some locally and socially relevant contexts for introductory statistics." (September 27, 2019).

Hardison, H. L., Texas State University Mathematics Education Seminar, "Engendering Productive Ways of Reasoning About Angle Measure with Prospective Elementary Teachers." (March 8, 2019).

Hardison, H. L., Texas State University Mathematics Education Seminar, "Four motions involved in the construction of angularity," Texas State University. (November 30, 2018).

Hardison, H. L., Texas State University Mathematics Education Seminar, "Prospective secondary teachers' covariational reasoning in circle contexts: Distinguishing figurative from operative thought." (February 9, 2018).

Departmental presentations:

Lee, H. Y., Hardison, H. L., Mathematics Education Seminar, "Two uses of coordinate systems: A conceptual analysis with pedagogical implications," Texas State University, San Marcos. (October 16, 2018).

Posters:

Hardison, H. L., Bui, M. T. T., Twenty-Seventh Annual Conference of the Association of Mathematics Teacher Educators, "Which Scale Should We Use to Measure the Right Angle?," AMTE, New Orleans, LA, United States. (August 2022).

Paoletti, T., Lee, H. Y., Hardison, H. L., Gantt, A. L., Zolt, H. M., Bui, M. T. T., Rygaard Gaspard, B. R., Acharya, S. V., Discovery Research PreK–12 PI Meeting, "Middle School Students Graphing From the Ground Up," National Science Foundation, Arlington, VA, United States. (June 2023).

Hardison, H. L., Bui, M. T. T., Math Grad Programs Expo, "How Should We Measure a Right Angle?," Texas State University Mathematics Department. (November 4, 2022).

Hardison, H. L., The 4th Oklahoma-Texas Conference on Research in Undergraduate Mathematics Education, "Protractor Placement Tasks," Texas State University. (April 24, 2021).

Hardison, H. L., Texas State Math Graduate Programs Expo, "Prospective Teachers, Funky Protractors," San Marcos, TX, United States. (2019).

Hardison, H. L., Texas State Math Graduate Programs Expo, "Quantifying Angularity: Circles Optional," San Marcos, TX, United States. (November 2, 2018).

Hardison, H. L., Texas State University Mathematics Department Graduate Student Open House, "Understanding degrees without using 360: The right angle conceived as a 90-unit composite," San Marcos, TX, United States. (November 2017).

Bishop, J. P., Przybyla-Kuchek, J., Hardison, H. L., Annual Meeting of the American Educational Research Association, "Characterizing responsiveness in middle grades mathematics classrooms," San Antonio, TX. (April 2017).

Bishop, J. P., Hardison, H. L., Przybyla-Kuchek, J., Discovery Research K-12 PI Meeting, Education Development Center, Inc., "Characterizing critical aspects of productive mathematics classroom discourse: A focus on responsiveness.," Washington, DC, United States. (June 2016).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Lee, Hwa Young (Principal), Hardison, Hamilton Lee (Co-Principal), Zolt, Holly Marie (Other), Bui, Mai Thanh Thi (Other), Rygaard Gaspard, Brandi Renea (Other), Ford, Lucinda Louise (Other). Collaborative Research: Middle School Students' Graphing From the Ground Up (MS-GGU), NSF, Federal, $293,841.00. (Submitted: October 2021, Funded: June 2022 - May 2025). Grant.

3. Funded Internal Grants and Contracts:

Lee, Hwa Young (Principal), Hardison, Hamilton Lee (Supporting).
Undergraduate elementary prospective teachers' conceptions of angle measure: A study of an intervention, REP, Texas State University, $8,000.00. (Submitted: October 2019, Funded: January 2020 - May 31, 2021). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Nominee: Faculty Award for Excellence in Research, Texas State University Mathematics Department.
November 2023

Award / Honor Nominee: Faculty Award for Excellence in Research, TXST Mathematics Department.
November 2021
2019

E. Scholarly / Creative Professional Development Activities Attended:

Workshop, "Ethical use of AI in STEM education research," National Science Foundation. (May 15, 2024).

Workshop, "NSF EDU CAREER Workshop," National Science Foundation. (May 15, 2024).

Workshop, "AI/Machine Learning Education Series," NVIDIA, Dell Technologies, and Mark III Systems; Texas State University. (February 6, 2024 - April 23, 2024).

Workshop, "NSF CAREER Workshop," College of Education, San Marcos, TX, United States. (February 25, 2022).

Workshop, "Scholarship and Teaching Excellence Program (STEP)," Texas State University. (September 18, 2020 - March 26, 2021).

Workshop, "Documenting the Impact of COVID-19 on Faculty Performance," Texas State University, San Marcos, TX, United States. (January 14, 2021).

Workshop, "Startup Funding Workshop," Texas State University. (September 25, 2020).

Workshop, "New Tenure-Track Faculty: Resources and Responsibilities," San Marcos, TX, United States. (August 19, 2020).

IV. SERVICE

A. Institutional

1. University:

Participant, COVID-19 Verification Testing Event. (August 15, 2021).

Participant, Family Weekend. (September 27, 2019).

Participant, Welcome Tents. (August 26, 2019).

3. Department/School:

Member, Program and Curriculum Committee. (2022 - Present).

Organizer, Mathematics Education Seminar. (January 2022 - Present).

University Mentor. (August 2020 - Present).

Mathematics Education Seminar Info Table, Mathematics Department Grad Expo. (October 20, 2023).

Member, Colloquium Committee. (August 2021 - 2022).

Lunch Table Host and Info Table for Math Ed Seminar, Math Grad Programs Expo. (November 2022).

Participant, Mathematics Department Awards Day. (April 29, 2022).

Member, Merit Policy Review Committee. (March 2022).

Member, Program and Curriculum Committee. (August 2019 - 2021).

Table Host, Math Department Grad Expo. (November 8, 2019).

Presenter, Mathematics Department Awards Day. (April 26, 2019).

Member, Math 2328 Textbook Selection Committee. (2018).

B. Professional:

Conference Strand Leader, 46th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. (December 2023 - Present).

Reviewer / Referee, National Council of Teachers of Mathematics [Books]. (November 2023 - Present).

Advisory Board Member, Co-Constructing a Research Program Through Community Dialogues about Mathematical Storylines (NSF DRK12 Project; PI: Carlos Nicolas Gómez Marchant). (October 17, 2023 - Present).

Reviewer / Referee, Annual Conference of the Association of Mathematics Teacher Educators. (2022 - Present).

Reviewer / Referee, Investigations in Mathematics Learning. (2022 - Present).

Reviewer / Referee, Mathematics Teacher: Learning and Teaching PK-12. (2019 - Present).

Reviewer / Referee, Journal of Mathematical Behavior. (2018 - Present).

Reviewer / Referee, National Council of Teachers of Mathematics Research Conference. (2017 - Present).

Reviewer / Referee, North American Chapter of the International Group for the Psychology of Mathematics Education. (2016 - Present).

Reviewer / Referee, The Mathematics Educator. (2016 - Present).

Reviewer / Referee, 15th International Mathematics Education Congress. (2023).

Reviewer / Referee, Piaget's Genetic Epistemology for Mathematics Education Research. (2023).

Reviewer / Referee, 14th International Congress on Mathematical Education. (2019).

D. Organization Memberships:

Association of Mathematics Teacher Educators (AMTE). (2019 - Present).

North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA). (2015 - Present).

National Council of Teachers of Mathematics. (2006 - Present).

University of Georgia Mathematics Education Student Association (UGA MESA). (2012 - 2018).

G. Service Professional Development Activities Attended:

Workshop, "Successfully Supervising Graduate Students’ Theses and Dissertations," Texas State University, San Marcos, TX, United States. (March 1, 2022).