

# YUJIN (RACHEL) LEE

YL147@iu.edu | UL 1180D, 755 W. Michigan Street, Indianapolis, Indiana 46202

## Professional Experience

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- **Post-doctoral Research Fellow**

Indiana University-Purdue University Indianapolis August, 2019-Present

- **Graduate Assistant**

Aggie STEM & TLAC, Texas A&M University September, 2015-August, 2019

- **Research Assistant**

Korea Institute for Curriculum and Evaluation September, 2012-July, 2015

- **Mathematics teacher**

Gwang-Mun High School, Seoul, Korea November, 2010-February, 2011

Sin-Myung Middle School, Seoul, Korea April-June, 2006

## Education

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**Texas A&M University, College Station, Texas**

August 2019

Ph.D, Mathematics Education

Dissertation: *"A rigorous exploration of students' affective mathematics engagement*

*across samples and contexts"* (Chair: Dr. Robert M. Capraro, Co-Chair: Dr. Mary M. Capraro)

- Distinguished honor graduate (College of Education and Human Development)
- Advanced Research Method Certificate
- College of Education and Human Development Strategic Research Award

**Ewha Womans University, Seoul, Korea**

2013

MA, Mathematics Education

Thesis: *"An Analysis of Students' Mathematical Problem Posing"* (Chair: Dr. Jonghee Lee)

**Dankook University, Seoul, Korea**

2009

BS, Mathematics Education

## Teaching Experience

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- **Graduate (Alternative instructor), Texas A&M University**

STEM teaching and learning (EDCI 620-700) Fall, 2017

- **Undergraduate (Alternative instructor), Texas A&M University**

Problem solving in mathematics (MASC 351-503) Spring, 2018

- Problem solving in mathematics (MASC 351-500) Fall, 2017
- **Graduate (Teaching Assistant), Texas A&M University**
    - Analysis of teaching behavior (EDCI 673) Summer, 2017
  - **Undergraduate (Teaching Assistant), Texas A&M University**
    - Problem solving in mathematics (MASC 351-501, 502) Spring, 2017
    - Mathematics methods in elementary education (TEFB 412-501, 502) Fall, 2016
    - Problem solving in mathematics (MASC 351-501) Fall, 2016
    - Problem solving in mathematics (MASC 351-501, 502) Spring, 2015
    - Mathematics methods in elementary education (TEFB 412-501, 502) Fall, 2015
    - Problem solving in mathematics (MASC 351-501) Fall, 2015
  - **Undergraduate (Teaching Assistant), Ewha Womans University**
    - Number system and coding theory Spring, 2012
    - Material development and teaching methods in mathematics Spring, 2012
    - Differential equations Fall, 2011
    - Problem solving in discrete mathematics Fall, 2011
  - **K-12 Education**
    - Instructor, Aggie STEM Summer Camp, Texas A&M University Summer, 2017, 2018  
Subjects: Mathematics with: (1) Microcontroller, (2) Coding, (3) Cryptography
    - Instructor, Aggie STEM Girls Camp, Texas A&M University Summer, 2018  
Subjects: Mathematics with Microcontroller
    - Mathematics teacher, Gwang-Mun High School, Seoul, Korea November, 2010-February, 2011  
Subjects: High school mathematics (AP calculus, Statistics, Geometry, Algebra)
    - Mathematics teacher, Sin-Myung Middle School, Seoul, Korea April-June, 2006  
Subjects: Middle school mathematics
  - **Professional Development**
    - Instructor, Aggie STEM Teacher Boot Camp, Texas A&M University Summer, 2018  
Subjects: STEM PBL (Project-Based Learning)
  - **Invited instructor (Hosted by Aggie STEM)** Fall, 2018
    - Project Literacy-Infused Science Using Technology Opportunity (LISTO)  
Subject: Microcontroller
    - Oakwood Intermediate School October, 2016, 2018  
Subject: STEM PBL
    - Brownsville Elementary School Summer, 2018  
Subject: STEM PBL
    - Texas A&M University, Bahcesehir University, & Istanbul Medeniyet University  
Subject: Intro to Coding December, 2017
    - Snook ISD Spring, 2017  
Subject: Problem Solving and Problem Posing in grade 2-5

## Research Experience

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- Research Assistant, Aggie STEM September, 2015-August, 2019

### 1. Grant Projects

- Supporting Mathematics in STEM Education (SMSE). R. M. Capraro (Co-Pi) with S. B. Nite PI, Allen, G. D., Barroso, L. R. & Capraro, M. M. Texas Higher Education Coordinating Board, Awarded \$283,327. 2/01/2016-4/30/2017.
  - Research Team Leader
    - Mathematical affect in STEM PBL
    - Gender, ethnicity, language/culture in STEM education
    - STEM career aspiration
    - Spatial visualization in STEM education
    - Developing coding and microcontroller instructions
  - Research Team member
    - Developing the stem academic culture
    - Self-regulation and motivation in STEM
    - Creativity and problem solving skills through 3D printing learning
    - The effects of microcontrollers on students' interest in computer and electrical engineering
    - Underrepresented students' stem preparation in inclusive stem high schools
- Literacy-Infused Science Using Technology Innovation Opportunity (LISTO), a 5-Year Longitudinal Validation Project. Co-PI with Lara, R., Irby, B., Capraro, M.M., Tong, F., and Jones, R. Institute of Education Sciences, 8/2017-7/2021 \$12,000,000
  - In-service teachers' professional development and pre-service teachers' professional preparation with literacy-infused science using stem
- Snook ISD Follow-up Study and Intervention, Co-PI with L. Burlbaw, M.M. Capraro et al. Catapult Grant. Internal. Submitted \$37,931.
  - Students' and teachers' problem posing

### 2. Research Team Leader

- Schools implementing engineering based curriculum ('Project Lead the Way') based on 2016 State of Texas Assessments of Academic Readiness (STAAR)
  - Comparing mathematics and science achievement of students by gender and ethnicity
- Trends in International Mathematics and Science Study (TIMSS)
  - International comparison about students' mathematical affect and motivation
  - Contributions of context variables on mathematics teachers' job satisfaction

### 3. Advising undergraduate research team

- The impacts of students' motivation and interest on their mathematical achievement

### 4. Other projects

- Cognitive Behavioral Therapy and mathematics anxiety



7. **Lee, Y.**, Capraro, R. M., & Capraro, M. M. (2018). Mathematics teachers' subject matter knowledge and pedagogical content knowledge in problem posing. *International Electronic Journal of Mathematics Education*, 13(2), 89-104. (.15 Impact factor – SCOPUS)
8. Bicer, A., Perihan, C., & **Lee, Y.** (2018). The impact of writing practices on students' mathematical attainment. *International Electronic Journal of Mathematics Education*, 13(3), 305-313. (.20 Impact factor – SCOPUS)
9. Kopparla, M., Bicer, A., Vela, K., **Lee, Y.**, Bevan, D., Kwon, H., Caldwell, C., Capraro, M. M., & Capraro, R. M. (2018). The effects of problem-posing intervention types on elementary students' problem-solving. *Educational Studies*, DOI:10.1080/03055698.2018.1509785 (.39 Impact factor – SCOPUS, Indexed in SSCI)
10. Park, J., & **Lee, Y.** (2016). Commonality analysis of context variables for math Teachers' confidence. *Journal of Educational Research in Mathematics*, 26, 755-768.

▪ In Review

1. **Lee, Y.**, Capraro, R. M., Capraro, M. M., & Bicer, A. (2019, In review). School and student factors and their influence on affective mathematics engagement. Paper submitted to *Mathematics Education Research Journal*.
2. **Lee, Y.**, Capraro, R. M., Capraro, M. M., & Bicer, A. (2019, In review). Cultural affordance and affective mathematics engagement in Korea and U.S. Paper submitted to *International Journal of Science and Mathematics Education*.
3. Bicer, A., Capraro, R. M., Capraro, M. M., & **Lee, Y.** (2019, In review). Mathematical creative self-efficacy: Problem-posing as a measure of mathematical creativity. Paper submitted to the special issue of "Affect in mathematical problem posing" by Educational Studies in Mathematics.
4. Bicer, A. & **Lee, Y.** (2019, In review). Institutional factors underrepresented students' STEM preparation in ISHSs. Paper submitted in *Research Papers in Education*.
5. Bicer, A., Perihan, C., & **Lee, Y.** (2019, In review). A meta-analysis: The effect of cognitive behavioral therapy on students' mathematics anxiety. Paper submitted to *Investigations in Mathematics Learning*.
6. Bicer, A., & **Lee, Y.** (2018, In review). Coding in mathematics classroom and students' Affective Engagement. *School Science and Mathematics*.
7. Younes, R. G., Capraro, R. M., Capraro, M. M., Rosli, R., **Lee, Y.**, Bicer, A., Vela, K., & Caldwell, C. (2018, In review). Increasing retention and performance for high school women in mathematics and sciences: STEM project based learning. Submitted to *Journal of Advanced Manufacturing Technology*.

1. **Lee, Y.**, Bicer, A., Kwon, H., Rugh, M., Capraro, R. M., Capraro, M. M., & Barroso, L. R. (2019, In press). *Post-Secondary Ready: Does the STEM Curriculum Matter?* Paper accepted to Proceedings of the 49<sup>th</sup> Annual IEEE Frontiers in Education Conference (FIE). IEEE, Piscataway, NJ.
2. Bicer, A., **Lee, Y.**, Capraro, R. M., Capraro, M. M., & Barroso, L. R. (2019, In press). *Examining the Effects of STEM PBL on Students' Divergent Thinking Attitudes Related to Creative Problem Solving*. Paper accepted to Proceedings of the 49<sup>th</sup> Annual IEEE Frontiers in Education Conference (FIE). IEEE, Piscataway, NJ.
3. Rugh, M. S., Williams, A., **Lee, Y.**, & Capraro, R. M. (2019, In press). *Comparing STEM Schools on Algebra Performance*. Paper accepted to Proceedings of the 49<sup>th</sup> Annual IEEE Frontiers in Education Conference (FIE). IEEE, Piscataway, NJ.
4. **Lee, Y.**, Capraro, R. M., Capraro, M. M., Vela, K. N., Bevan, D., Caldwell, C. (2019, August). *Students' conceptions of mathematical creative thinking and critical thinking in STEM PBL activities*. Paper accepted to the 11th International Conference on Mathematical Creativity and Giftedness. Hamburg, Germany.
5. Caldwell, C., Vela, K. N., Capraro, R. M., Capraro, M. M., **Lee, Y.**, & Bevan, D. (2019, August). *Bridging the gap between mathematics and creativity through STEM PBLs*. Paper accepted to the 11th International Conference on Mathematical Creativity and Giftedness, Hamburg, Germany.
6. Vela, K. N., Bevan, D., Caldwell, C., Capraro, R. M., Capraro, M. M., & **Lee, Y.** (2019, August). *STEM project-based learning activities: Opportunities to engage in creative mathematical thinking?* Paper accepted to the 11th International Conference on Mathematical Creativity and Giftedness. Hamburg, Germany.
7. **Lee, Y.**, Bicer, A., Capraro, R. M., Capraro, M. M., Barroso, L. R., Kwon, H., & Rugh, M. (2018, October). *Comparing Mathematics and Science Achievement of Students from Schools with PLTW versus Schools without PLTW*. Proceedings of the 48<sup>th</sup> Annual IEEE Frontiers in Education Conference (FIE). IEEE, Piscataway, NJ. (.22 Impact factor – SCOPUS)
8. Bicer, A., **Lee, Y.**, Capraro, R. M., Capraro, M. M., Barroso, L. R., Bevan, D., & Vela, K. N. (2018, October). *Cracking the Code: The Effects of Using Microcontrollers to Code on Students' Interest in Computer and Electrical Engineering*. Proceedings of the 48<sup>th</sup> Annual IEEE Frontiers in Education Conference (FIE). IEEE, Piscataway, NJ. (.22 Impact factor – SCOPUS)
9. Bicer, A., Nite, S. B., Capraro, R. M., Barroso, L. R., Capraro, M. M., & **Lee, Y.** (2017, October). *Moving from STEM to STEAM: The effects of informal STEM learning on students' creativity and problem solving skills with 3D printing*. In Frontiers in Education Conference (FIE) (pp. 1-6). IEEE. (.22 Impact factor – SCOPUS)

## Book

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1. Kaminaga, M. (2015). 수학 사고력을 키우는 20 가지 이야기[20 stories for developing mathematical thinking ability](Cho, Y., & **Lee, Y.**, Trans.). Seoul, Korea.
2. Choe, S., Kwon, J., Lee, B., & **Lee, Y.** (2013). A study on developing a diagnostic test and remedial mathematics basic ability program for low-performing vocational high school students. *CRI 2013-18*.

## Book Chapter

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1. Capraro, R. M., Bicer, A., **Lee, Y.**, & Vela, K. (2018, In press). Putting the quantitative pieces together to maximize the possibilities for a successful project. In K. Leatham (Ed.), *Designing, Conducting, and Publishing Research in Mathematics Education*. Springer Nature.

## Presentation

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### ■ International/National

1. **Lee, Y.**, Capraro, R. M., Capraro, M. M., & Bicer, A. (2019, submitted). A hierarchical linear modeling approach to investigating factors impacting students' affective mathematics engagement. Paper submitted to *the Annual Meeting of the American Educational Research Association*, San Francisco, CA.
2. **Lee, Y.**, Capraro, R. M., Capraro, M. M., & Bicer, A. (2019, submitted). Effects of motivation on students' affective mathematics engagement. Paper submitted to *the Annual Meeting of the American Educational Research Association*, San Francisco, CA.
3. Bicer, A., **Lee, Y.**, & Perihan, C. (2019, submitted). Discipline-specific & general instructional and pedagogical practices fostering the mathematical creativity of students. Paper submitted to *the Annual Meeting of the American Educational Research Association*, San Francisco, CA.
4. Kwon, H., **Lee, Y.**, Williams, A., & Capraro, R. M. (2019, submitted). The effect of STEM PBL on students' self-regulation and motivation. Paper submitted to *the Annual Meeting of the American Educational Research Association*, San Francisco, CA.
5. **Lee, Y.**, Bicer, A., Kwon, H., Rugh, M., Capraro, R. M., Capraro, M. M., & Barroso, L. R. (2019, October). Post-Secondary Ready: Does the STEM Curriculum Matter? Proposal accepted at the Frontiers in Education Conference (FIE). Cincinnati, Ohio.
6. Bicer, A., **Lee, Y.**, Capraro, R. M., Capraro, M. M., & Barroso, L. R. (2019, October). Examining the Effects of STEM PBL on Students' Divergent Thinking Attitudes Related to Creative Problem Solving. Proposal accepted at the Frontiers in Education Conference (FIE). Cincinnati, Ohio.
7. Rugh, M. S., Williams, A., **Lee, Y.**, & Capraro, R. M. (2019, October). Comparing STEM Schools on Algebra Performance. Proposal accepted at the Frontiers in Education Conference (FIE). Cincinnati, Ohio.
8. **Lee, Y.**, Capraro, R. M., Capraro, M. M., Vela, K. N., Bevan, D., Caldwell, C. (2019, August). *Students' conceptions of mathematical creative thinking and critical thinking in STEM PBL activities*. Proposal accepted to the 11th International Conference on Mathematical Creativity and Giftedness. Hamburg, Germany.
9. Caldwell, C., Vela, K. N., Capraro, R. M., Capraro, M. M., **Lee, Y.**, & Bevan, D. (2019, August). Bridging the gap between mathematics and creativity through STEM PBLs. Proposal accepted to the 11th International Conference on Mathematical Creativity and Giftedness, Hamburg, Germany.
10. Vela, K. N., Bevan, D., Caldwell, C., Capraro, R. M., Capraro, M. M., & **Lee, Y.** (2019, August). *STEM project-based learning activities: Opportunities to engage in creative mathematical thinking?* Proposal accepted to the 11th International Conference on Mathematical Creativity and Giftedness. Hamburg, Germany.

11. Capraro, M. M., Capraro, R. M., & Lee, Y. (2019, June). *A cross-cultural difference in motivation and affective mathematics engagement*. Paper presented to the British Society for Research into Learning Mathematics Conference. Birmingham, U.K.
12. Lee, Y., Capraro, R. M., Bicer, A., Capraro, M. M., & Park, J. (2019, April). *Gender difference on spatial visualization (STEM vs non-STEM)*. Paper presented to the NCTM Research Conference, San Diego, CA.
13. Bicer, A., & Lee, Y. (2019, April). *The Effects of Informal Learning on Student Interest in STEM Fields*. Paper presented to the NCTM Research Conference, San Diego, CA.
14. Lee, Y., Capraro, R. M., Bicer, A., Capraro, M. M. (2019, April). *The impact of STEM PBL students' affective mathematics engagement*. Paper presented to the annual meeting of the American Educational Research Association, Toronto, ON, Canada.
15. Lee, Y., Capraro, R. M., Bicer, A., Capraro, M. M. (2019, April). *Spatial Visualization of Undergraduate Students: The Gap Between Men and Women*. Paper presented to the annual meeting of the American Educational Research Association, Toronto, ON, Canada.
16. Bicer, A., Kitchen, R., Lee, Y., Aydin, H., & Capraro, R. M. (2019, April). *Institutional characteristics influencing underrepresented students' STEM preparation in inclusive STEM High Schools*. Paper presented to the annual meeting of the American Educational Research Association, Toronto, ON, Canada.
17. Capraro, M. M., Capraro, R. M., Rosli, R., Kopparla, M., Kwon, H., Vela, K., Bevan, D., & Lee, Y. (2019, April). *Benefits of problem posing activities with elementary students and preservice teachers*. Paper accepted to the annual meeting of the American Educational Research Association, Toronto, ON, Canada.
18. Capraro, M. M., Capraro, R. M. Bicer, A., Lee, Y., & Kopparla, M. (2018, November). *Problem posing in elementary classrooms*. Paper presented at the International Conference on Urban Education, Nassau, Bahamas.
19. Lee, Y., Bicer, A., Capraro, R. M., Capraro, M. M., Barroso, L. R., Kwon, H., & Rugh, M. (2018, October). *Comparing Mathematics and Science Achievement of Students from Schools with PLTW versus Schools without PLTW*. Paper presented at the Frontiers in Education Conference (FIE). San Jose, CA.
20. Bicer, A., Lee, Y., Capraro, R. M., Capraro, M. M., Barroso, L. R., Vela, K., & Bevan, D. (October, 2018). *Cracking the Code: The Effects of Using Microcontrollers to Code on Students' Interest in Computer and Electrical Engineering*. Paper presented at the Frontiers in Education Conference (FIE). San Jose, CA.
21. Lee, Y., Kwon, H., Bicer, A., Capraro, M. M., & Capraro, R.M. (2018, April). *Pre-service teachers' content and pedagogical knowledge in problem posing*. Paper presented at the NCTM Research Conference, Washington, D.C.
22. Bicer, A., Capraro, R. M., Capraro, M. M., & Lee, Y. (2018, April). *A-meta analysis: Writing in mathematics classroom*. Paper presented at the NCTM Research Conference, Washington, D.C.
23. Foran, A., Goldsby, D., & Lee, Y. (2017, April). *Using oldies and new hits to introduce statistics*. Paper presented at the NCTM Annual Meeting and Exposition, Washington, D.C.



24. Bicer, A., Perihan, C., Capraro, R. M., Capraro, M. M., & **Lee, Y.** (2018, April). *The impact of writing practices on students' mathematical attainment*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
25. Bicer, A., Nite, S. B., Capraro, R. M., Barroso, L. R., Capraro, M. M., & **Lee, Y.** (2017, October). Moving from STEM to STEAM: The effects of informal STEM learning on students' creativity and problem solving skills with 3D printing. Paper presented at the Frontiers in Education Conference (FIE). Indianapolis, IN.
26. Park, J., & **Lee, Y.** (2017, April). *Variance contributions to math teachers' confidence in Korea and the United States*. Paper presented at the annual meeting of the American Educational Research Association, Washington D.C.

- Regional

1. Lee, Y., & Bicer, A. (2019, October). *Affective mathematics engagement: A comparison of the United States and Korea*. Paper accepted for the 2019 SSMA Convention, Salt Lake City. UT.
2. Bicer, A., & Lee, Y. (2019, October). *Discipline-Specific & General Instructional and Pedagogical Practices Fostering the Mathematical Creativity of Students*. Paper accepted for the 2019 SSMA Convention, Salt Lake City. UT.
3. **Lee, Y.**, Kwon, H., Bicer, A., Capraro, R. M., & Capraro, M. M. (2018, October). *Mathematics Teacher Knowledge (SMK, KCT, and KCS) in Problem posing*. Paper accepted for the 2018 School Science and Mathematics Association Convention, Little Rock, AR.
4. Bicer, A., **Lee, Y.**, Capraro, R. M., & Capraro, M. M., & Perihan, C (2018, October). *Informal STEM Learning & Student Interest in STEM Fields*. Paper accepted for the 2018 School Science and Mathematics Association Convention, Little Rock, AR.
5. Bicer, A., Perihan, C., Nite, S. B., Capraro, R. M., Currens, K. A., Suarez, M., & **Lee, Y.** (2017, February). *The effects of cognitive behavior therapy on students' mathematics anxiety*. Paper presented at the Southwestern Educational Research Association Conference, San Antonio, TX.
6. Nite, S. B., Bicer, A., Salazar, K., **Lee, Y.**, Barroso, L. R., & Capraro, R. M. (2017, February). *The effect of STEM project-based learning on mathematics teacher instruction*. Paper presented at the Southwestern Educational Research Association Conference, San Antonio, TX.
7. Nite, S. B., Bicer, A., Currens, K. A., **Lee, Y.**, Bevan, D., & Barroso, L. R. (2017, February). *Summer precalculus bridge program: Use of electronic resources*. Paper presented at the Southwestern Educational Research Association Conference, San Antonio, TX.
8. Goldsby, D., Hill, K., & **Lee, Y.** (2016, October A). *Bear, snake, cat: What animal do you see?* Paper presented at the Annual Conference for Middle Level Education, Austin, TX.
9. Goldsby, D., Hill, K., & **Lee, Y.** (2016, October B). *Bear, snake, cat: What animal do you see?* Paper presented at the Annual Conference for Middle Level Education, Austin, TX.

- Local (University)

1. Kwon, H., **Lee, Y.**, Williams, A. (2019, March). The effect of STEM PBL on students' self-regulation. Paper presented at the Texas A&M University's Student Research Week 2019, College Station, TX.
2. Nguyen, C., & **Lee, Y.** (2019, March). Commonality analysis of context variables for students' mathematical interest. Paper presented at the Texas A&M University's Student Research Week 2019, College Station, TX.

3. Capraro, M. M., Kopparla, M., Vela, K., Rice, D., Bevan, D., Bicer, A., Capraro, R. M., Caldwell, C., Kwon, J., **Lee, Y.**, & Martin, R. (2017, April). *Problem posing & solving*. Brown bag presentation at Texas A&M University, College Station, TX.
4. **Lee, Y.**, Suarez, M. I., Caldwell, C., & Rice, D. (2017, March). *Affective engagement in STEM PBL*. Paper presented at the Texas A&M University's Student Research Week 2017, College Station, TX.

## Certification

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- Advanced Research Method Certificate, Texas A&M University, USA
- Secondary School Teacher of Mathematics, Ministry of Education, Korea
- Japanese-Language Proficiency Test (JLPT) N1-Level, Japan Educational Exchanges and Services, Japan

## Grant

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- 2019 Translating University STEM Initiatives for K-12 Classroom Implementation: Tyler ISD Educational Consultants. PI with Drs. Barroso, MM, Capraro, and Grad student Yujin Lee. Submitted to Tyler ISD, Tyler, TX, 8/19-721, \$200,000

## Awards/Scholarships

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- Distinguished Honor Graduate Summer, 2019  
College of Education and Human Development, Texas A&M University
- College of Education and Human Development Strategic Research Award (Total \$34,000) 2018-2019  
College of Education and Human Development, Texas A&M University
- Graduate Program Enhancement Education (\$600) Spring, 2019  
Department of Teaching, Learning, and Culture, Texas A&M University
- CEHD Graduate Travel Award Grant (\$500) Spring, 2019  
College of Education and Human Development, Texas A&M University
- Lechner Graduate Program Scholarship (Total \$4,000) Fall, 2015, Spring, 2016, Fall 2017, Spring, 2018  
Department of Teaching, Learning, and Culture, Texas A&M University
- Graduate Strategic Scholarship (Total \$1,000) Fall, 2016, 2018  
Texas A&M University
- CEHD Research Scholars Award (\$500) Fall, 2016  
College of Education and Human Development, Texas A&M University
- IEFS Graduate ISS Scholarship (\$2,000) Summer, 2016  
Scholarship & Financial Aid, Texas A&M University
- Graduate Program Enhancement Education (Total \$600) Spring, 2016, 2017  
Department of Teaching, Learning, and Culture, Texas A&M University
- College & IDP Top Off Scholarship (Total \$5,626) Fall, 2015, Spring, 2016  
Department of Teaching, Learning, and Culture, Texas A&M University
- Differential Tuition Rch TLAC (Total \$5,000) Fall, 2015, Spring, 2016  
Department of Teaching, Learning, and Culture, Texas A&M University

## Academic Service

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- Book Review Editor, *International Electronical Journal of Mathematics Education* 2018-Present

## Professional Affiliations

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- American Educational Research Association (AERA)
- National Council of Teachers of Mathematics (NCTM)
- School Science and Mathematics Association (SSMA)
- Southwest Educational Research Association (SERA)
- Association for Middle Level Education (AMLE)
- American Society for Engineering Education (ASEE)
- Korea Society of Educational Studies in Mathematics (KSESM)
- International Honor Society in Education (Kappa Delta Pi)