

EDUCATION

Mathematics Doctoral Student University of Nebraska Lincoln	August 2019 - present
M.S. Applied and Computational Mathematics Graduate Minor in Liberal Studies University of Minnesota Duluth (UMD), Duluth, MN, USA	August 2017 - May 2019
B.S. Pure Mathematics Georgia Gwinnett College, Lawrenceville, GA, USA	August 2014 - May 2017
Rochester Institute of Technology - Dubai Campus (Freshman year) Dubai, United Arab Emirates	August 2013 - May 2014

TEACHING EXPERIENCE

* denotes I taught the course as the *instructor of record* with full course responsibilities.

Graduate Teaching Assistant - University of Nebraska Lincoln	September 2019 - Present
· College Algebra* 1 sections, total of 40 students.	Fall 2020
· Calculus III 3 sections, total of 75 students.	Spring 2020
· Calculus I 2 sections, total of 50 students.	Fall 2019
Upward Bound Program (For more information click <i>here</i>)	June - July 2020/2019
· University of Wisconsin-Superior (UWS)* Taught a variety of topics during three and a half hour interactive sessions including: ACT prep, introductory combinatorics, Algebra II, basic logic, Pre-Calculus and Probability.	June - July 2020/2019
· College of St. Scholastica* Class time ran for three hours, topics similar to UWS.	June 2020/2019
Graduate Teaching Assistant - University of Minnesota Duluth	August 2017 - May 2019
· Calculus I Met with 3 sections twice a week, a total of 75 students. Worked on worksheets, answered questions on lecture and homework. Held office hours and exam review sessions.	Spring 2019

- **Calculus II** Fall 2018
Met with 3 sections twice a week, a total of 75 students.
Duties similar to Spring 2019.

- **Math 103 - Pre-Algebra*** Spring 2018
Delivered lectures to 15 students. Prepared worksheets and exams.
Held office hours and exam review sessions.

- **Discrete Math** Spring 2018
Helped students, 30 total, with proof writing in an active learning format.
Occasionally prepared worksheets and lectured for the class.

- **Securian Math Lab** Spring 2018
Worked with students in a one-on-one setting.
Helped them with online homework and quiz questions.

- **Calculus I** Fall 2017
Met with 3 sections twice a week, a total of 75 students.
Duties similar to Spring 2019.

- Full time Mathematics Tutor - Gwinnett Technical College** January 2016 - July 2017
· Topics: College Algebra, Pre-Calculus, Calculus I and II
In an open lab setting, helped student with homework and exam preparation by explaining concepts covered in class and providing examples and exercises.

- Volunteer Tutoring - RIT Dubai Tutoring Center** August 2013 - June 2014
· Topics: College Algebra, Pre-Calculus, Calculus I and II
Open lab setting, duties similar to those at Gwinnett Tech.

AWARDS AND HONORS

- Parents Recognition Award-UNL Fall 2019

- Outstanding Graduate Teaching Assistant Award - UMD Spring 2019

- Graduate Student Service Award - UMD Spring 2019
For numerous contributions to UMD math department's graduate community and representing math grad students at departmental meetings.

- Bulldog Award - UMD Spring 2019
For serving in co-curricular activities "where their exemplary service and leadership qualities has positively affected the University community."

- Recipient of Certificate: Thank a Teacher Project-UMD Spring 2019
Presented by: Center For Educational Innovation- Nominated anonymously by students for "outstanding teaching and dedication to helping students learn."

- UMD Mathematics and Statistics Department Summer Research Fellowship Summer 2018

- Georgia Gwinnett College Graduation Honor: Cum Laude

- Georgia Gwinnett College : President's List Spring 2016

RESEARCH

Interests

- Commutative Algebra, Algebraic Geometry, Finite Group Theory, Graph Theory.

Publication

- Title: "*Subgroups of Groups of Units Modulo n* " (with Joe Gallian)
Mathematics Magazine, Accepted.
- Title: "*On Uniform and Non-Uniform Magic Cubes*"
In process of revision and resubmission for the *Australian Journal of Combinatorics*.

Master's Thesis

- Title: "*Subgroups of Groups of Units Modulo n* "
I identified and gave a full classification of some new families of subgroups of groups of units mod n .

PRESENTATIONS/WORKSHOPS

- Presented: "*Subgroups of Groups of Units Modulo n* " November 2020
UNL undergraduate math club
Aimed at familiarizing undergraduate math majors with mathematics research.
- Presented: "*Documentary Premiere: There Will Be An Answer*" (producer/co-director) January 2020
Joint Mathematics Meetings
- Presented: "*Twisted Mathematics: Subtle Microaggressions in 21st Century Math Movies*" April 2019
University of Minnesota Duluth-GRAD Talk Series
- Presented: "*Subgroups of Groups of Units Modulo n* " January 2019
Joint Mathematics Meetings - MAA General Session on Algebra
- Presented: "*Workshop: Group Theory in Action*" November 2018
Sonya Kovalevsky Day, aimed at encouraging female high school students to pursue Math.
College of St. Scholastica
- Presented: "*Subgroups of Groups of Units Modulo n* " October 2018
MAA North Central Section Meeting, Southwest Minnesota State University
- Presented: "*Algebraic Structure of Labeled Graphs Joined by j Edges*" April 2017
Kappa Mu Epsilon National Convention
- Presented: "*Poster: Algebraic Structure of Labeled Graphs Joined by j Edges*" January 2017
Joint Mathematics Meetings - MAA Undergraduate Poster Session
- Presented: "*Normal Magic Cubes and Euler Cubes*" October 2015
Kennesaw Mountain Undergraduate Mathematics Conference

SERVICE/PROFESSIONAL ACTIVITY

- Directed Reading Program Mentor-UNL Spring 2020

- Site Coordinator at UNL/Triage Judge Spring 2020/2021
 Mathematical Contest in Modeling/The Interdisciplinary Contest in Modeling

- Triage Judge Spring 2018/2019
 Mathematical Contest in Modeling/The Interdisciplinary Contest in Modeling
 I was a triage judge for this international Mathematics Modeling contest.

- Volunteer Judge January 2018
 Undergraduate Poster Session at The Joint Mathematics Meetings

- Graduate Programs Committee Student Representative August 2018 - May 2019
 University of Minnesota Duluth

- Graduate Student Representative to the Mathematics and Statistics Department August 2017 - May 2019
 University of Minnesota Duluth

- Invited Panelist-Sonya Kovalevsky Day November 2017

- Member of American Mathematical Association October 2017
- President of Kappa Mu Epsilon National Mathematics Honors Society June 2015 - May 2017
 GA Zeta Chapter at Georgia Gwinnett College