

## EDUCATION

<b>PhD in Mathematics</b> University of Kansas, Lawrence, KS   GPA 4.0 Advisor: Emily Witt	Anticipated: May 2027
<b>Master of Arts in Mathematics</b> University of Kansas, Lawrence, KS   GPA 4.0	Fall 2023
<b>Bachelor of Science Mathematics</b> University of Arkansas, Fayetteville, AR   GPA 3.93	May 2021
<b>Bachelor of Science Chemical Engineering</b> University of Arkansas, Fayetteville, AR   GPA 3.93	May 2021

## HIGHER EDUCATION WORK EXPERIENCE

<b>University of Kansas</b> <i>Graduate Teaching Assistant</i> <ul style="list-style-type: none"><li>• Act as primary content deliverer for multiple sections of college algebra, precalculus, and calculus.</li><li>• Hold weekly out-of-class tutor hours for students needing supplementary instruction on course material.</li><li>• Meet weekly with course coordinator to discuss content delivery, student engagement, and to discuss content for quizzes and exams.</li></ul>	August 2021 – Present
<b>University of Kansas</b> <i>KUEST Summer Bridge Program Graduate Teaching Assistant</i> <ul style="list-style-type: none"><li>• Lead a group of incoming freshman engineering students from traditionally disadvantaged backgrounds through four weeks of math instruction.</li><li>• Helped students prepare for the ALEKS placement exam by covering material from college algebra, precalculus, and calculus.</li></ul>	July 2023 – August 2023
<b>Thrive Scholars, Boston, MA</b> <i>Teaching Assistant for Amherst Summer Program</i> <ul style="list-style-type: none"><li>• Worked with students from traditionally disadvantaged backgrounds on precalculus material in a college preparatory environment.</li><li>• Helped primary instructor develop lesson plans and organize course materials.</li><li>• Held open office-hours for students to work on class material as well as ACT/SAT preparatory material.</li></ul>	June 2022 – August 2022
<b>Do College Better, Fayetteville, AR</b> <i>Tutor</i> <ul style="list-style-type: none"><li>• Met with university students weekly to discuss course material from calculus, differential equations, linear algebra, and discrete mathematics.</li></ul>	August 2018 – May 2019

## LEADERSHIP ACTIVITIES

<b>Vice President, Math Graduate Student Organization</b> <ul style="list-style-type: none"><li>• Act as a peer-elected leader for operations of the Math GSO. Responsibilities include scheduling seminars, conferences, and social events, meeting with the graduate committee on behalf of the graduate students, and welcoming new students into the math department.</li></ul>	July 2023 – Present
<b>Member-at-Large, Math Graduate Student Organization</b>	July 2022 – June 2023

- Acted as a peer-elected representative for first and second year graduate students to the GSO and the Graduate Committee.
- Ensured the incorporation and involvement of younger students in the math department.

## DEPARTMENTAL SERVICE

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|--|---------------------|
| • Prospective PhD Student Interview - Student Member       | Spring 2024         |
| • Peer Mentor  | Fall 2023 - Present |
| • Analysis Qualifying Exam - Study Group Leader            | Fall 2023           |
| • Florence Black Teaching Award - Student Committee Member | Fall 2021           |

## CLASSES TAUGHT

- MATH 002 - Intermediate Algebra (Fall 2021)
- MATH 101 - College Algebra (Spring 2022)
- MATH 104 - Precalculus (Fall 2022, Fall 2023)
- MATH 115 - Calculus (Spring 2023)

## TALKS GIVEN

- |  |                   |
|--|-------------------|
| • "An Introduction to Local Cohomology"  | April 13, 2024    |
| ◦ KMGSC                                  |                   |
| • "What is a category?"                  | April 5, 2024     |
| ◦ KU Math GSO Seminar                    |                   |
| • "An Introduction to Local Cohomology"  | February 9, 2024  |
| ◦ KU Student Algebra Seminar             |                   |
| • "Matlis Duality"                       | October 5, 2023   |
| ◦ KU Student Algebra Seminar             |                   |
| • "Oka and Ako Families of Ideals"       | February 2, 2023  |
| ◦ KU Math GSO Seminar                    |                   |
| • "Coxeter Groups and the Davis Complex" | February 11, 2022 |
| ◦ KU Math GSO Seminar                    |                   |

## CONFERENCES ATTENDED

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|---|-----------------------|
| • SLMath Recent Developments in Commutative Algebra | April 15-19, 2024     |
| ◦ Attended Online                                   |                       |
| • KMGSC (joint with Kansas State)                   |                       |
| ◦ Kansas State ★                                    | April 13-14, 2024     |
| ◦ University of Kansas ★                            | December 2-3, 2023    |
| ◦ Kansas State                                      | April 8, 2023         |
| ◦ Kansas State                                      | April 23, 2022        |
| ◦ University of Kansas                              | December 5, 2021      |
| • SLMath Introductory Workshop: Commutative Algebra | January 22-26, 2024   |
| • SLMath Connections Workshop: Commutative Algebra  | January 18-19, 2024   |
| • Algebra Day (University of Kansas)                | November 11, 2023     |
| • KUMUNU (University of Missouri)                   | September 23-24, 2023 |
| • URiCA (University of Nebraska)                    | May 6-7, 2023         |

*Remark:* I served as an organizer for the conferences labeled ★.

## CONFERENCES PLANNING TO ATTEND

- Will update as needed.