Zachary Nason

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EDUCATION

B.S., Mathematics 2020
University of Kansas, Lawrence, KS

M.S., Mathematics 2023
University of Nebraska-Lincoln, Lincoln, NE

Ph.D., Mathematics In Progress
University of Nebraska-Lincoln, Lincoln, NE
Advisor: Thomas Marley

POSITIONS HELD

Graduate Teaching Assistant August 2021 - Present
Mathematics Department, University of Nebraska-Lincoln

AWARDS

Outstanding Qualifying Exam 2022
This award is given by the UNL Mathematics Department to two graduate students who have achieved the highest scores on the Ph.D. qualifying exams for that year.

TALKS AND PRESENTATIONS

4. **Gorenstein Differential Graded Algebras** (50 min) October 19, 2023
   University of Nebraska-Lincoln, Commutative Algebra Reading Seminar

3. **Characterizing Gorenstein Local Rings Using the Frobenius Map** (50 min) April 19, 2023
   University of Nebraska-Lincoln, Commutative Algebra Reading Seminar

2. **Symbolic Powers and Monomial Ideals** (50 min) November 16, 2022
   University of Nebraska-Lincoln, Commutative Algebra Reading Seminar

1. **A Counterexample Concerning the Existence of Height One Prime Ideals in the Intersection of Height Two Prime Ideals** (50 min) February 9, 2022
   University of Nebraska-Lincoln, Commutative Algebra Reading Seminar

CONFERENCES ATTENDED

- KUMUNU October 2023
  University of Missouri

- AMS Fall 2023 Central Sectional Meeting September 2023
  Creighton University

- URiCA May 2023
  University of Nebraska-Lincoln

- Math 125 April 2023
  University of Nebraska-Lincoln

- KUMUNU
  University of Nebraska-Lincoln

Teaching

Instructor of Record Fall 2023
MATH 103: *College Algebra and Trigonometry*

Grading Assignment Fall 2023
MATH 825: *Mathematical Analysis I*

Instructor of Record Summer 2023
MATH 107: *Calculus II*

Recitation Instructor Spring 2023 (3 sections)
MATH 208: *Calculus III*

Instructor of Record Fall 2022
MATH 101: *College Algebra*

Recitation Instructor Spring 2022 (2 sections), Summer 2022 (1 section)
MATH 107: *Calculus II*

Recitation Instructor Fall 2021
MATH 106: *Calculus I*

Tutoring Fall 2021-Present
Drop-in math tutoring center for UNL first-year undergraduates. Tutored for two hours per week, one semester per year.

Computer Skills

Languages: Java, Python, C++

Software: LaTeX, Macaulay2, MATLAB, Microsoft Office