Ethan Jensen

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Education

University of North Texas, Ph.D. in Mathematics   In progress

    Thesis Advisor: Dr. Anne Shepler
    Research Areas: Algebraic combinatorics and invariant theory

George Fox University,   B.S. in Mathematics, B.S. in Computer Science   April 2022

Published Papers and Preprints

Stabilizing Automorphisms of Quantum Affine Space, submitted 2025. arxiv.org/pdf/2511.17802
Ph.D. Thesis, in progress.

Professional Experience

Software Intern at Global Accent, May 2020 – Dec 2020
       Prototyping deep learning models for speech assessment
Software Developer at Predicta, Inc, Apr – Aug 2022
       Creating and Maintaining tools for automated market intelligence

Teaching Experience

University of North Texas

- Instructor of Record
  - Precalculus, Fall 2023 and Spring 2024
  - Calculus I, Fall 2024
  - Calculus III, Spring 2025
  - Linear Algebra, Fall 2025

- Teaching Assistant
  - Calculus II, Summer 2023, Spring 2023, Summer 2025
  - Calculus I, Fall 2022

Awards

- Best Research Talk (PIMUC)   2021
- John Ed Allen Scholarship, UNT   2022–2023
- Outstanding Teaching Fellow of Mathematics Award, UNT   2024–2025
- Outstanding Mathematics Graduate Students Award, UNT   2025–2026

Service Experience

- Organizer for Qualifying Exam Preparedness Seminar, 2023
- Organizer for Graduate Algebra Group, 2024 - Present
- Graduate Student Mentor, 2025 - Present

Talks

- An Introduction to the Theory of Eta Quotients, Graduate Algebra Symposion, 2023
- Automorphisms of Quantum Polynomial Algebras, UNT Algebra Seminar, 2023
- Introduction to Representation Theory, Graduate Algebra Group, 2024
- Overview of Galois Cohomology, UNT Learning Seminar - Arithmetic of Elliptic Curves, 2024
- Kummer Pairing and Descent, UNT Learning Seminar - Arithmetic of Elliptic Curves, 2024
- The Shephard-Todd-Chevalley Theorem, Graduate Algebra Group, 2025
- Lattices and the Poisson Summation Formula, Graduate Algebra Group 2025
- Graded Automorphisms of Quantum Polynomial Algebras, Graduate Algebra Group, 2025
- Graded Automorphisms of Quantum Polynomial Algebras, UNT Poster Session, 2025
- Invariants of Graded Algebras, Graduate Algebra Group, 2026