Department of Mathematics
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Audriana Houtz

Education

2027 (exp)	**University of Notre Dame**, Ph.D., Mathematics Advisor: Andrew Putman
2021	**Texas State University**, M.S., Mathematics
2020	**Texas State University**, B.S., Mathematics *Summa Cum Laude*

Achievements

2025	**Kaneb Center Outstanding Graduate Student Teacher Award** University of Notre Dame
2024	**Kaneb Center Effective Online Pedagogy badge** University of Notre Dame
2021	**Gowens Merit Fellowship** Texas State University
2020	**R. H. Bing Award** Texas State University

Papers

2. A. Houtz
Cutting and Pasting in Handlebody Torelli
in preparation
1. T. Keller, A. Pohlman
Orbit sizes and the central product group of order 16
Annali di Matematica Pura ed Applicata (1923 -) (2022): 1-27.

Presentations

Fall 2023	**Notre Dame Graduate Student Topology Seminar** Mini Series (4 lectures): The Torelli Group
July 2021	**Texas State University** Thesis Defense
May 2020	**Texas State University Topology Seminar** Computing K_0 of a PID

Teaching Experience

Spring 2026	**Tutorial Instructor**, University of Notre Dame Calculus I/A (MATH 12550)

Fall 2025	**Head Tutorial Instructor**, University of Notre Dame Calculus A (MATH 12350)
Summer 2025	**Instructor**, University of Notre Dame Calculus III (MATH 20550)
Spring 2025	**Instructor**, University of Notre Dame Calculus B (MATH 10360)
Fall 2024	**Instructor**, University of Notre Dame Calculus A (MATH 10350)
Summer 2024	**Instructor**, University of Notre Dame Calculus III (MATH 20550)
Fall 2023	**Tutorial Instructor**, University of Notre Dame Calculus III (MATH 22550)
Spring 2023	**Tutorial Instructor**, University of Notre Dame Calculus B (MATH 12360)
Fall 2022	**Tutorial Instructor**, University of Notre Dame Calculus III (MATH 22550)
Summer 2022	**Counselor**, Ross Mathematics Program
Fall 2022	**Graduate Tutor**, University of Notre Dame Algebra and Topology Tutor
Summer 2021	**Counselor**, Ross Mathematics Program
Summer 2019	**Counselor**, Mathworks Junior Summer Math Camp – Residential

Professional Services

Spring 2024	**Organizer**, Notre Dame Graduate Student Seminar
Fall 2023	**Organizer**, Notre Dame Graduate Student Topology Seminar
Fall 2023	**Organizer**, Notre Dame Graduate Student Seminar

Volunteer Work

Dec 2025	**Substitute Instructor**, Michiana Covenant Academy, Mathematics
Fall 2025	**Volunteer Instructor**, Riverbend Math Circles at Notre Dame, Wiles Math Circle

Recommendations

Dr. Andrew Putman
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Email: andyp@nd.edu
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Dr. Brian Mulholland
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