John Teague

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ACADEMIC INTERESTS

Broadly interested in applications of gauge- and Floer-theoretic invariants to low-dimensional topology, especially in dimension 4.

EDUCATION

University of Texas at Austin — Austin, TX
Ph.D. in Mathematics (In Progress) — 2024 - Present

University of Texas at Austin — Austin, TX
B.S. in Mathematics and B.S. in Computer Science (Honors) — 2020-2024

PREPRINTS AND PUBLICATIONS

Non-Local Surface Knots and Slice Disks — Spring 2024
Honors thesis with Lisa Piccirillo (Preprint available on arXiv)

HONORS/AWARDS

Frank Gerth III Teaching Excellence Award — Fall 2024
University of Texas at Austin

NSF Graduate Fellowship Honorable Mention — Fall 2024
NSF Graduate Research Fellowship Program

TEACHING

University of Texas at Austin — Fall 2024 - Present

— Integral and Differential Calculus

CONFERENCES

Graduate Student Topology and Geometry Conference — Spring 2025
Indiana University Bloomington

Texas Geometry and Topology Conference — Fall 2024
Texas A&M University

New Structures in Low-Dimensional Topology — Summer 2024
Alfréd Rényi Institute of Mathematics

Texas Undergraduate Mathematics Conference — Fall 2023
Stephen F. Austin State University

— University of Georgia REU results on Multisections of 4-Manifolds, Podium Presentation

Texas Undergraduate Groups and Dynamics Conference   Spring 2023
University of Texas at Austin

- Dirichlet Domains and Deformations of Convex Projective Structures, Podium Presentation

SERVICE

Graduate Student Mentor   Fall 2024 - Present
UT Austin Directed Reading Program

Graduate Student Mentor   Spring 2025
Texas Experimental Geometry Lab
Faculty Advisor: Jeffrey Danciger

UT Austin Math Club   Fall 2022 - Fall 2023
President