

Theodore Weisman

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Department of Mathematics
University of Texas at Austin

EDUCATION

University of Texas at Austin, Austin, Texas
Ph.D. candidate in Mathematics
Advisor: Jeffrey Danciger

Expected 2022

Yale University, New Haven, Connecticut
B.S. in Mathematics (intensive), magna cum laude

May 2016

PUBLICATIONS

1. *Realization of Groups with Pairing as Jacobians of Finite Graphs* (with L. Gaudet, D. Jensen, D. Ranganathan, and N. Wawrykow). *Annals of Combinatorics*, 22.4 (2018), pp 781-801.

AWARDS AND HONORS

Provost's Graduate Excellence Fellowship
University of Texas at Austin

2016 – 2018

Outstanding Presentation Award
MAA Mathfest Undergraduate Paper Sessions

2014

TEACHING EXPERIENCE

Teaching Assistant, University of Texas at Austin
M408C (Differential and integral calculus)
M408S (Integral calculus for science)

Fall 2018, Fall 2019, Spring 2020
Spring 2019

Peer Tutor, Yale University
MATH 244 (Discrete mathematics)
MATH 222 (Linear algebra with applications)

Fall 2014, Fall 2015
Spring 2016

OUTREACH

Mentor, UT Directed Reading Program
University of Texas at Austin

2017–2020

Mentored an undergraduate student through the process of reading a mathematical text. Mentoring involved meeting the student weekly to discuss the text and coaching them through a 15-minute talk at the end of the semester.

Volunteer teacher, Splash at Yale
Yale University

Summer/Fall 2014, Spring 2015

Taught one-hour long minicourses to high school students. Each class met 1-4 times and had 20-30 students. Titles included *Abstract algebra*, *What is a number?*, and *The game of hex*.

MathCounts Coach, Columbus Family Academy
New Haven, CT

2013

Led weekly problem sessions for 7-10 students on the Columbus Family Academy middle school MathCounts team.

TALKS

“Group actions on boundaries of convex divisible domains” *AMS Fall Southeastern Sectional Meeting: Special Session on Geometric Structures on Manifolds*

2019

“Jacobians of finite graphs,” with L. Gaudet and N. Wawrykow.
MAA Mathfest Undergraduate Paper Sessions

2014

SERVICE

Organizer, Junior Topology Seminar
University of Texas at Austin

Fall 2019

Co-founder, SUMS
Yale University

2014 – 2016

Co-organized weekly meetings for math talks given by a small group of undergraduates

CONFERENCES ATTENDED

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| 1. Graduate Student Geometry and Topology Conference, Michigan State University | <i>April 2017</i> |
| 2. Graduate Student Conference in Algebra Geometry and Topology, Temple University | <i>May 2017</i> |
| 3. Texas Geometry and Topology Conference, University of Texas at Austin | <i>November 2017</i> |
| 4. Thin Groups in Number Theory, Geometry, and Topology, Rice University | <i>May 2018</i> |
| 5. Representation Varieties and geometric structures in low dimensions, University of Warwick | <i>July 2018</i> |
| 6. Young Topologists Meeting, University of Copenhagen | <i>July 2018</i> |
| 7. Young Geometric Group Theory, UPV/EHU | <i>June 2019</i> |
| 8. Aspects of Geometric Group Theory, IHES | <i>July 2019</i> |