Theodore Weisman

weisman@math.utexas.edu
web.ma.utexas.edu/users/weisman/

Department of Mathematics
University of Texas at Austin

EDUCATION

University of Texas at Austin, Austin, Texas
Ph.D. candidate in Mathematics *Expected 2022*
Advisor: Jeffrey Danciger

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) *Fall 2018, Spring 2020*
M408S (Integral calculus for science) *Spring 2019*

SI (Supplemental Instruction) Teaching Assistant, University of Texas at Austin
M408C (Differential and integral calculus) *Fall 2019*

In addition to taking on normal TA duties, SI teaching assistants meet weekly to develop better teaching strategies and discuss ways to improve classroom environment.

Peer Tutor, Yale University
MATH 244 (Discrete mathematics) *Fall 2014, Fall 2015*
MATH 222 (Linear algebra with applications) *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, Sunday Morning Math Group
University of Texas at Austin *2019–2020*

Worked with Austin middle school and high school students biweekly on math problems, and gave a talk at one session on geometry of map projections.

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.

RESEARCH 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

Minicourse leader
  "Boundaries of Groups and Spaces"   *June 2020*
  "Hyperbolic Groups"   *August 2019*

Led weeklong courses for graduate students as part of a University of Texas summer minicourse program

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

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