

EDISON HAUPTMAN

CURRICULUM VITAE

Email: ERH129@pitt.edu

Website: edihau.github.io

EDUCATION

Ph.D. in Mathematics

Aug 2021 - May 2027

University of Pittsburgh: Pittsburgh, PA

Thesis: Simultaneous Bootstrap Percolation in Small-World Networks with High Clustering

Advisor: Hung-Hsu (Edward) Chou, Ph.D.

Expected Defense: May 2027

M.A. in Mathematics

Aug 2021 - Dec 2025

University of Pittsburgh: Pittsburgh, PA

B.S. in Applied Mathematics

Aug 2017 - May 2021

Marist University (fmr. Marist College): Poughkeepsie, NY

B.S. in Data Science & Analytics

Aug 2017 - May 2021

Marist University (fmr. Marist College): Poughkeepsie, NY

TEACHING EXPERIENCE

(Key: F = Fall, S = Spring, Su = Summer)

University of Pittsburgh: Teaching Fellow

2021 - present

Instructor of Record (6 terms, 7 total sections)

College Algebra 1

F 26

Business Calculus

S 26

Analytic Geometry & Calculus 1 (2 sections)

F 25

Analytic Geometry & Calculus 2 (3 sections)

Su 24, Su 23, Su 22 6-week-1

Teaching Assistant

Prep for Scientific Calculus (2 sections)

S 25, F 21

Business Calculus (3 sections)

S 23, F 22

Analytic Geometry & Calculus 1 (10 sections)

F 24, S 24, F 23, S 23, F 21

Analytic Geometry & Calculus 2 (2 sections)

S 25, F 24

Analytic Geometry & Calculus 3 (2 sections)

F 24, S 24

Intro Theory of 1-Variable Calculus

Su 22 6-week-2

Mentorship

Mentor: CMU-Pitt Math Directed Reading Program (Mathematical Biology)

F 26

TA Mentor (graduate TAs): Department of Mathematics

Su 26

Math Assistance Center Assistant (graduate TAs): Department of Mathematics

S 26

Mentor: CMU-Pitt Math Directed Reading Program (Combinatorial Optimization)

F 25

TA Mentor (graduate TAs): Department of Mathematics

Su 25

Grader

Combinatorial Mathematics

F 26

An Introduction to Optimization (2 sections)

S 25, F 22

AWARDS AND HONORS

- 2025 Teaching Assistance Excellence Award
University of Pittsburgh Department of Mathematics
- 2024 Elizabeth Baranger Teaching Award (student-nominated)
University of Pittsburgh Dietrich School of Arts & Sciences
- 2023 Teaching Assistance Excellence Award
University of Pittsburgh Department of Mathematics

GRANTS AND FELLOWSHIPS

- 2025 Hauptman, Edison; Heck, Lizzie; Sampaio, Rafaella; Wheeler, Jeffrey.
University of Pittsburgh Discipline-Based Science Education Research Center
- 2024 Hauptman, Edison; Wheeler, Jeffrey.
University of Pittsburgh Discipline-Based Science Education Research Center

PEER-REVIEWED PUBLICATIONS

- 2024 Pittsburgh Interdisciplinary Mathematics Review.
[“Why Isn’t There An Inverse Quotient Rule?”](#) April 12

TALKS AND PRESENTATIONS

Invited Talks

- 2025 Marist University Colloquium, Feb. 28.
“An Undergrad-Friendly Journey through Graduate Level Combinatorics”
- 2023 Westminster College Speaker Series, Oct 6.
“How to Solve a Minecraft Puzzle Like a Mathematician”
- 2022 Marist University Colloquium, Oct. 7.
“Explaining the Math of Queer Relationship Dynamics”

Contributed Talks

- 2026 AMS Eastern Sectional Meeting: Contributed Paper Session, I, Oct. 3
“4-Neighbor Bootstrap Percolation in King’s Graphs”
- 2026 SEISMIC 2.0 Kickoff, Pre-Conference on Generative AI, May 19.
“Student (Mis)-Use of Gen “AI” for Practice”
- 2026 MAA Allegheny Mountain Section, Mar. 28.
“Standards-Based Grading in Large-Enrollment Calculus: Practices and Lessons for Students/Faculty”
- 2026 JMM 2026: Spectra Special Session on Research by LGBTQ+ and Allied Mathematicians, II, Jan. 5.
“Telling the story of the Stable (Queer) Marriage Problem”
- 2024 MAA MD/DC/VA Section, Apr. 27.
“Explaining the Math of Queer Relationship Dynamics”

- 2024 MAA Allegheny Mountain Section, Apr. 5.
“Why Isn’t There An Inverse Quotient Rule?”
- 2023 MAA Allegheny Mountain Section, Mar. 31.
“Explaining the Math of Queer Relationship Dynamics”
- 2022 Binghamton University Graduate Conference in Combinatorics, Algebra, and Geometry, Nov. 6.
“Explaining the Math of Queer Relationship Dynamics”

Campus and Departmental Talks

- 2026 University of Pittsburgh Discipline-Based Science Education Research Center Seminar, Aug. 24.
“Providing Interdisciplinary Projects to Large-Enrollment Calculus 2 Courses: Practical Implementation” (jointly presented w/ Raffaella Sampaio)
- 2026 University of Pittsburgh Discipline-Based Science Education Research Center Seminar, Jan. 12.
“Providing Interdisciplinary Projects to Large-Enrollment Calculus 2 Courses” (jointly presented w/ Lizzie Heck)
- 2025 University of Pittsburgh Discipline-Based Science Education Research Center Seminar, Sep. 8.
“Contract Grading in Calculus 2, Lessons Learned for Large-Enrollment Classes”
- 2025 University of Pittsburgh Discipline-Based Science Education Research Center Seminar, Feb. 10.
“Contract Grading in Calculus 2, Coordinating Student Freedom”
- 2024 University of Pittsburgh Math Graduate Student Seminar, Oct. 4.
“How to Give Undergrad-Friendly Talks and Why it Matters”
- 2024 University of Pittsburgh Discipline-Based Science Education Research Center Seminar, Jul. 1.
“Contract Grading in Calculus 2, Now With Mastery Grading!”
- 2024 University of Pittsburgh Discipline-Based Science Education Research Center Seminar, Jan. 29.
“Contract Grading in Calculus 2”
- 2023 University of Pittsburgh Math Department Teaching Seminar, Nov. 7.
“Lessons Learned from Contract Grading in Calculus 2”
- 2021 University of Pittsburgh Math Club, Sep. 21.
“Bayes’ Theorem: A Cornerstone of Rationality”

Other

- 2026 [Grading for Growth Blog](#), Sep. 14.
Guest blog post: [“Supplementing Standards with Engagement Points”](#)

RESEARCH EXPERIENCE

- 2026 - present 4-Bootstrap Percolation on King’s Graphs
with N. Bushaw and J. Wheeler
- 2024 - present Project Repository for Pitt’s Calculus Courses
with L. Heck and R. Sampaio

PROGRAMMING/SOFTWARE EXPERIENCE

SERVICE TO PROFESSION

DEPARTMENTAL AND UNIVERSITY SERVICE

PROFESSIONAL EDUCATIONAL DEVELOPMENT

OUTREACH

2026	TA: Pittsburgh Girls' Summer Math Camp (5 day camp in August) (Recognized by the directors with the Excellence in Outreach Award)
2024, 2026	Volunteer: Pittsburgh High School Integration Bee (hosted by University of Pittsburgh every April)
2023 - 2024	Coach: Pittsburgh Oakland Table Tennis Club Summer Camp (4 day camp each summer)

OTHER PROJECTS

- 2023 3Blue1Brown's Summer of Math Exposition 3
 YouTube Video: ["Can You Solve This Minecraft Piston Puzzle?"](#), Aug. 18.
- 2022 3Blue1Brown's Summer of Math Exposition 2
 YouTube Video: ["Why Queer Relationship Dynamics are Harder: The Stable Marriage Problem"](#), Aug. 16.

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

[American Mathematical Society](#)
[Mathematical Association of America](#)
[SEISMIC Collaboration](#)
[Spectra](#)