

# Zain Luís Garrett Padamsee

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## Education

- Bowdoin College (BA cum laude) | Dec '23 | Math, Sociology (Minor: Gender/Sexuality) | GPA: 3.920
- Upper Arlington High (IB diploma, Ohio diploma w/ honors) | May '19 | Weighted 4.0 GPA: 4.4495
- Additional education: Intro Linguistics at Ohio State (2020) | Biology of Cancer at Northwestern (2017)

## Academic Publications and Conference Presentations

- Nusbaum, Padamsee, Zinman, "Model Theoretic Properties for Classes of Graphs," 2023-2024  
presented at Joint Math Meet, Young Mathematicians Conference, and a private NSA event
- Guingona, Nusbaum, Padamsee, et al., "Indivisibility for Classes of Graphs," arXiv:2312.01466 2023

## Selected Awards & Honors

- National Merit Scholar 2019-2023
- Putnam Mathematical Competition score: 9 2019
- American Invitational Mathematics Exam score: 8 (76<sup>th</sup> percentile | version II) 2019
  - Qualifying contest: AMC12A (95<sup>th</sup> percentile | score: 93 | qualifying cutoff: 84)

## Selected Work Experience

- Student of math Research Experience for Undergraduates (REU) at Towson University 2023
  - Studied model theory, presented at the NSA, wrote peer-reviewed paper, and was funded to attend two conferences.
- Research Assistant at the University of Michigan's Center for Social Media Responsibility 2021
  - Co-designed and conducted initial interviews for a study on cross-partisan political comments on YouTube.
- Teaching Assistant at AwesomeMath Summer Program 2020
- Research Assistant for Dr. Laura Justice, Educational Psychology, The Ohio State University 2019
  - Conducted literature reviews on (1) barriers to accessing childcare and (2) how exposure to toxins affects young children.

## Selected Unpaid and Volunteer Experience

- Board Game Club leader 2019-2023
  - Organized weekly social events open to the campus to provide alternative weekend activities besides partying and drinking.
- Bowdoin Labor Alliance leader 2023
- Out in STEM (oSTEM) chapter leader 2023
- Healthy Masculinities discussion group leader 2019-2022
  - Planned and led regular conversations on participants' experiences of their masculinities to develop feminist consciousness.
- College Guild volunteer: gave feedback in correspondence courses for incarcerated adults 2019-2021
  - Wrote monthly feedback on correspondence coursework for incarcerated adults to widen access to education and dignity.
- College organic garden student leader 2021
- Computer science, physics, and math tutor 2017-2020
- Common Good Grant participant: raises >\$20,000 annually and awards it to nonprofits 2019-2020
- High school Technology Help Desk staff 2017-2019

## Skills

- LaTeX, Excel, Java, Python, HTML, CSS
- Basic proficiency in Spanish and German
- 13 years of cello and 2 years of acoustic guitar