

# Alison Rosenblum

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## Research Interests

O-minimality and Real Algebraic Geometry

## Education

Purdue University (West Lafayette, IN, August 2015 - present)

Candidate for Doctor of Philosophy in Mathematics (GPA 3.99/4.0)

Wisconsin Lutheran College (Milwaukee, WI, August 2011 - May 2015)

Bachelor of Science in Mathematics; Minor in German (Summa cum Laude, GPA 3.9/4.0)

## Work Experience

Graduate Teaching Assistant (Purdue University, 2015 - present)

- ☞ Math for Elementary Teachers (prepare activities, grade projects and exams)
- ☞ Bridge to Analysis Recitation Instructor (lead problem session for graduate course)
- ☞ Math Resource Room Supervisor (oversee operations, supply one-on-one assistance)
- ☞ Coordinator for Calculus I (write exams, prepare and deliver lectures)
- ☞ Recitation Instructor for Calculus I and II IMPACT (facilitate active learning)
- ☞ Coordinator for Real Analysis Qualifying Exam prep course (graduate level)
- ☞ Instructor for Precalculus and Applied Calculus I (prepare and deliver lectures)

Calculus Tutor (WLC Center for Academic Excellence, 2012 - 2015)

Worked one-on-one with Calculus students, coordinated and led group review sessions

## Technical Skills

L<sup>A</sup>T<sub>E</sub>X, python, C++, sqlite, git, bash, html

## Honors and Awards

- ☞ Excellence in Teaching Award Purdue University Department of Mathematics (2022)
- ☞ Purdue Research Foundation Summer Research Grant (2020)
- ☞ Ross Fellowship (2016)
- ☞ Carl Cowen Exceptional Promise Scholarship (2015)
- ☞ Gary Sorensen Memorial Endowed Scholarship (2014)
- ☞ Nicolas Bourbaki Scholarship (2013)
- ☞ Freshman Honors in Mathematics (2012)
- ☞ Presidential Scholarship Wisconsin Lutheran College (2011)
- ☞ National Merit Finalist (2010)

## Service and Activities

- ☞ Graduate Representative, Purdue Department of Mathematics (2020 - 2021)
- ☞ Incoming TA Screening Assistant (Fall 2020)
- ☞ Association for Women in Mathematics, Purdue Chapter (Treasurer, 2017 - present)
- ☞ Bridge to Research Seminar Coordinator (2017 - 2018)
- ☞ Purdue Symphony Orchestra (2015 - present)
- ☞ Wisconsin Lutheran College Math Club (Vice President, 2013 - 2015)
- ☞ Wisconsin Lutheran College Chamber Ensemble (2011 - 2015)