

Mark Schachner

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EDUCATION

The University of Chicago <i>Bachelor of Science with Honors, Mathematics</i>	September 2017 — June 2021 <i>Chicago, IL</i>
Cornell University <i>Master of Science, Computer Science</i>	August 2021 — May 2024 <i>Ithaca, NY</i>
Cornell University <i>Ph.D. Candidate, Mathematics</i>	August 2021 — Present <i>Ithaca, NY</i>

AWARDS AND FELLOWSHIPS

NSF Graduate Research Fellowship \$138,000	August 2021 — Present
Graduate Research Assistantships \$18,547	May — August 2023, May — August 2024

EXPERIENCE

Teaching Assistant / Counselor <i>Bridge to Enter Advanced Mathematics</i>	July 2020 — August 2021 <i>Los Angeles, CA</i>
<ul style="list-style-type: none">• Summer outreach program to help underserved students enter advanced study in mathematics• Responsibilities included supervising problem sessions and program activities, as well as working directly with students to develop critical thinking and creative problem-solving skills	

TEACHING

Recitation Teaching Assistant, MATH 1910 <i>Cornell Mathematics Department</i>	September 2022 — December 2022 <i>Ithaca, NY</i>
<ul style="list-style-type: none">• Teaching assistant for MATH 1910 Calculus for Engineers• Gave weekly recitations to students using active learning techniques	
Recitation Teaching Assistant, MATH 2210 <i>Cornell Mathematics Department</i>	January 2023 — June 2023 <i>Ithaca, NY</i>
<ul style="list-style-type: none">• Teaching assistant for MATH 2210 Linear Algebra• Gave weekly recitations to students using active learning techniques	
Recitation Teaching Assistant, MATH 2940 <i>Cornell Mathematics Department</i>	September 2023 — December 2023 <i>Ithaca, NY</i>
<ul style="list-style-type: none">• Teaching assistant for MATH 2210 Linear Algebra• Gave weekly recitations to students using active learning techniques	
Instructional Teaching Assistant, MATH 1120 <i>Cornell Mathematics Department</i>	January 2024 — May 2024 <i>Ithaca, NY</i>
<ul style="list-style-type: none">• Instructor of record for MATH 1120 Calculus II	

SERVICE AND OUTREACH

Instructor, Cornell Prison Education Program <i>Cornell Mathematics Department</i>	January 2025 — February 2025 <i>Ithaca, NY</i>
<ul style="list-style-type: none">• Instructor of record for MATH 112 Contemporary Mathematics• Developed and taught weekly lessons in mathematics to incarcerated students	
Organizer / Participant, Ph.D. Mentoring Program <i>Cornell University Mathematics Department</i>	May 2022 – May 2023 <i>Ithaca, NY</i>
<ul style="list-style-type: none">• Collaborated with Sara Stephens to coordinate department-wide program to match matriculating Ph.D. students with experienced student mentors• Additionally served as mentor in program	
Instructor, Little Circle <i>Cornell University Mathematics Department</i>	January 2023 – May 2023 <i>Ithaca, NY</i>
<ul style="list-style-type: none">• With Alexander Vidinas, developed and presented weekly lessons in departmental outreach program	
Professional Development Organizer, Association for Women in Mathematics <i>Cornell University Mathematics Department</i>	September 2023 – Present <i>Ithaca, NY</i>
<ul style="list-style-type: none">• With Prairie Wentworth-Nice and Raina Okonogi-Neth, organized seminars and panels in mathematics research	

RESEARCH & EXPOSITORY TALKS

Test-giving & Test-taking

Cornell Teaching Seminar

22 March 2023

Toward an Accessible Mathematics Classroom

Cornell Teaching Seminar

29 November 2023

Toward an Accessible Mathematics Classroom II. Learning Disability

Cornell Teaching Seminar

26 March 2025

TECHNICAL SKILLS

Languages: C, JavaScript, Haskell, Python, LaTeX, HTML, CSS, MATLAB