

Holden Swindell

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Website <https://hswindell.github.io>
Institution University of Wisconsin-Madison

Education

University of Wisconsin-Madison Fall 2021 – Present
Mathematics, B.Sc. and Computer Sciences, Certificate
Expected Graduation Date: May 2025
GPA: 4.0/4.0

Research Experience

UW-Madison REU in Analysis Summer 2023
Analysis and Partial Differential Equations RTG, University of Wisconsin-Madison
Website: <https://web.math.wisc.edu/analysisrtg/node/7>

MXM Project “Random Symmetries of Hyperbolic Spaces” Fall 2022
Madison Experimental Mathematics (MXM) Lab, University of Wisconsin-Madison
Website: <https://mxm.math.wisc.edu/past-semesters/fall-2022>

MXM Project “Geometry of Random Integer Matrices” Spring 2022
Madison Experimental Mathematics Lab, University of Wisconsin-Madison
Website: <https://mxm.math.wisc.edu/past-semesters/sp22>

Teaching Experience

Lead Tutor Fall 2024 – Present
Program Assistant Summer 2024
Lead Tutor Spring 2024
Tutor Spring 2022 – Fall 2023
Math Learning Center, University of Wisconsin-Madison
Website: <https://math.wisc.edu/undergraduate/mlc>

Service & Community Outreach

President Fall 2024 – Present
Vice President Fall 2023 – Spring 2024
Board Advisor Fall 2022 – Spring 2023
Math Club, University of Wisconsin-Madison
Website: <https://win.wisc.edu/organization/mathclub>

Directed Reading Mentor Spring 2024
Category Theory Reading Group, University of Wisconsin-Madison
Website: <https://hswindell.github.io/category-theory.html>

Honors & Awards

UW-MADISON

Honors in the Liberal Arts
Honors in the Major (Mathematics)
Phi Beta Kappa Honor Society Member
Dean's List (7 Semesters)

Technical Skills

PROGRAMMING

C, Python, Rust

WEB

HTML, CSS

DOCUMENT PREPARATION

L^AT_EX, Microsoft Office Suite, Google Docs Editors Suite

Talks

“Point-Free Topology”

April 2024

Category Theory Reading Group, University of Wisconsin-Madison

“Smooth Infinitesimal Analysis”

February 2023

Math Club, University of Wisconsin-Madison