


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)
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Technical Skills

PROGRAMMING	C, Python, Rust
WEB	HTML, CSS
DOCUMENT PREPARATION	L ^A T _E X, Microsoft Office Suite, Google Docs Editors Suite

Talks

“Point-Free Topology” <i>Category Theory Reading Group, University of Wisconsin-Madison</i>	April 2024
“Smooth Infinitesimal Analysis” <i>Math Club, University of Wisconsin-Madison</i>	February 2023