

# Holden Swindell

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

## Education

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**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

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**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

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**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

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**President** Fall 2024 – Present  
**Vice President** Fall 2023 – Spring 2024  
**Board Advisor** Fall 2022 – Spring 2022  
*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>

## Technical Skills

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PROGRAMMING

C, Python, Rust

WEB

HTML, CSS

DOCUMENT PREPARATION

L<sup>A</sup>T<sub>E</sub>X, Microsoft Office suite, Google Docs Editors suite

## Talks

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**“Point-Free Topology”**

April 2024

*Category Theory Reading Group, University of Wisconsin-Madison*

**“Smooth Infinitesimal Analysis”**

February 2023

*Math Club, University of Wisconsin-Madison*