

ORI FRIESEN

MATHEMATICIAN

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EDUCATION

Expected May 2025 **B.A. in Mathematics, B.A. in Geography
Computer Science Minor**
Macalester College, Saint Paul, MN
Overall GPA: 3.93

RELEVANT COURSEWORK

Projects in Analysis	Graph Theory	Calculus IV (Portland State)
Computational Linear Algebra	Algebraic Structures	Algorithm Design and Analysis
Real Analysis	Linear Algebra	Data Structures
Topology	Discrete Mathematics (Portland State)	Data Visualization

RESEARCH & OTHER EXPERIENCE

March 2023 – Present	Independent Research at Macalester Research in Topological Data Analysis Using the topological data analysis method of Persistent Homology as a tool to analyze segregation patterns across over 100 United States cities.
January 2023 – August 2023	Traffic Analyst Fellow at ReConnect Rondo Through the Chuck Green Fellowship at Macalester College Designed and produced an emission estimation traffic study using EPA-regulated guidelines and software to provide understanding of existing conditions for the use of future development.

TEACHING

Spring 2024	Teaching Assistant and Grader Algebraic Structures
Fall 2023	Teaching Assistant and Grader Linear Algebra

TALKS & CONFERENCES

January 2024

Joint Mathematics Meeting

AMS – PME Undergraduate Student Poster Session, I

“Using Persistent Homology to Study the Shape of Racial Segregation in United States Cities”

LEADERSHIP

September 2023 – Present

Student Advisory Board Member

Department of Mathematics, Statistics, & Computer Science, Macalester College

Bridging the gap between students and professors and facilitating inclusion in the MSCS department through a multitude of initiatives and activities.

HONORS AND CERTIFICATIONS

Issued August 2022

6.86x: Machine Learning with Python – From Linear Models to Deep Learning
MITx MicroMasters Programs

Issued August 2023

6.431x: Probability – The Science of Uncertainty and Data
MITx MicroMasters Programs

January 2023 – August 2023

2023 Chuck Green Fellow
Department of Political Science, Macalester College