

Elliot Hanson

Morris, MN

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Education

Bachelors of Arts in Mathematics, Computer Science Minor December 2025
University of Minnesota: Morris, Morris, Minnesota

Honors & Awards

Graduating with High Distinction	2025
Graduating with Honors	2025
Stipend from the Scott A. Schultz Memorial Fund (\$3,000)	2025
Morris Academic Partnership Scholarship (\$4,000)	2024
Morris Scholars Package (\$30,500)	2023
Dean's List	Fall 2021 - Fall 2025

Research Experience

Game Theory	Spring 2025 - Fall 2025
• Worked with Dr. David Roberts. • Developed intuitive representations and visualizations for the space of all 2×2 games. • Figures and interactive visualizations were made using Mathematica. • A co-authored paper is in preparation.	
Computer Science	Fall 2025
• Worked with Dr. Lisa Bevevino. • Developed tools to compile, tokenize, and analyze the sounds from the poetry of the troubadours. • Tools were made using C++ and Python. • A co-authored paper is in preparation.	
Graph Theory	Fall 2024 - Summer 2025
• Worked with Dr. Peh Ng. • Analyzed the effectiveness of heuristics for the vertex coloring problem on very large graphs. • All algorithms were implemented in C++.	

Presentations

“Numerical Results of New and Modified Heuristics for the Vertex Coloring Problem.”

Undergraduate Student Poster Session, MAA MathFest 2025, Sacramento, CA. August 8, 2025.

Teaching and Leadership Experience

- Worked as a peer tutor for six semesters.
 - Acquired a level 1 CRLA certification through this work.
 - Involved holding weekly study sessions for Calculus 1 and/or Calculus 2.
 - Additionally involved one-on-one sessions and drop-in hours, supporting Calculus classes, pre-Calculus classes, real analysis, linear algebra, physics, statistics, computer science, Latin, and other classes.
 - Required continuous interaction with faculty and staff.
- Served as president of Math Club.
 - Involved planning weekly activities with the goal of communicating mathematics to a broader audience.
 - Spoke with a varied group of young people interested in learning about math.
- Was the student representative for the mathematics department at UMN Morris.
 - Advocated for the interests of the student body.
 - Was the representative during the 2024-2025 academic year.
 - Involved attending discipline meetings and science and math division meetings.
- Was captain of a robotics team for two years in high school.
 - Responsibilities included facilitating the design, development, and construction of the robot, as well as training and recruiting new members. Teams included between 5 and 15 members.

Skills and Languages

- Proficient with LaTeX and Mathematica
- Programming languages: C++, Python, Java, JavaScript/HTML/CSS
- English, Latin, limited Spanish, limited Italian