

# Eric Sparks

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## EDUCATION

### University of Michigan

*Bachelor of Science in Mathematics*

**Ann Arbor, Michigan**

May 2026

- **Major:** Pure Mathematics
- **GPA:** 3.97
- **Courses:** Differential Equations, Cryptography, Number Theory, Real Analysis

## PROFESSIONAL EXPERIENCE

### Long Beach Country Club

*Groundskeeper*

**Long Beach, IN**

Summer 2024

- General course maintenance including sand trap upkeep, greens mowing, tree and weed trimming, service on irrigation system
- Operated other mowers and machinery to fulfill requests from the club board of directors

### University of Michigan Math Circle

*Instructor*

**Ann Arbor, MI**

September 2023-April 2024

- Taught concepts in Mathematics and Statistics to 30 high school and middle school students
- Led group discussions about potential solutions to problems and offered solutions when discussion stalled
- Examples of problems taught: Four Color Theorem, tic-tac-toe in different dimensions, game theory problems, basic graph theory, and matching algorithms applied to fit medical school graduates with suitable resident programs

### Four Seasons Landscaping

*Laborer*

**Valparaiso, IN**

Summer 2023

- Oversaw landscaping irrigation system: kept track of how long each section of the nursery needed to be watered and fixed any leaks in the system
- Worked with contractors to fulfill orders by transporting and loading trees and plants

### Chesterton Parks Dept.

*Camp Counselor*

**Chesterton, IN**

Summer 2021, 2022

- Organized daily sports activities like cricket, soccer, baseball, basketball for campers to play; Ran a daily craft project for campers less interested in sports
- Operated and kept written records for the camp concession stand, transferred these records into Microsoft Excel to track daily sales
- Mediated conflicts that arose between campers by introducing conflict resolution strategies, resulted in fewer conflicts being brought to the attention of staff due to campers learning to solve problems themselves

## ADDITIONAL INFORMATION

**Languages:** Spanish (limited), Japanese (limited)

**Skills:** Python, Microsoft Excel

**Projects:** Indiana University Business Competition

- Created a 24-month business plan for a nonprofit producing clothing called Global Mamas
- Focused on using marketing strategies to strengthen ties with existing donors and shareholders

**Scores and Awards:**

- ACT: 35; 36 Math, 35 English, Science, Reading
- AP: Calculus AB, Calculus BC, English Language and Composition, English Literature and Composition, US History, Statistics; 5. Physics I, Physics II, European History; 4
- AP Scholar with Distinction, National Merit Commended Student

**Interests:** Kendama, Reading, Soccer, Hiking