

# Michael West

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## EDUCATION

### University of Michigan

Ann Arbor, MI

Bachelor of Science in Engineering in Computer Science

May 2025

GPA: 3.046/ 4.00

Coursework: Web Systems, Computer Vision, Intro to AI, Computer Security, Data Structures and Algorithms

## PROJECT EXPERIENCE

### University of Michigan

Ann Arbor, MI

Computer Vision

August 2024- December 2024

- Trained a Very Deep Convolutional Network on a self-developed dataset to identify Magic the Gathering cards
- Implemented object detection including contour-based edge detection to allow real-time identification of cards

Web Systems

August 2023- December 2023

- Created a search engine for Wikipedia articles utilizing MapReduce for search index generation
- Designed a social media platform for posting life updates using an SQL database for storage and a REST API for backend and frontend communication; deployed to AWS for scalability
- Implemented static websites with Flask in Python and dynamic sites with React and JavaScript

## LEADERSHIP EXPERIENCE

### MHacks

Ann Arbor, MI

Sponsorship Lead

November 2024- Present

- Led recruiting campaign via social media, and in-person outreach to recruit an entirely new sponsorship team
- Developed a 2025 roadmap including budget goals, deliverable timelines, pitch decks, and promotional materials

Sponsorship Coordinator

January 2024- November 2024

- Coordinated outreach to companies including Intel, and Uber, raising \$50k+ for a two-day event where over 1000 students from diverse backgrounds developed applications to solve real-world problems
- Collaborated with Google to host Google x MHacks AI Hackathon to promote the launch of Gemini 1.5

## ACTIVITIES

### Boston Crusaders Drum and Bugle Corps

Boston, MA

Seasonal Cast Member- Euphonium

November 2021-August 2024

- Traveled country for entire summer performing for thousands and competing in Drum Corps International
- Led housing area cleanup efforts, organizing a team of 10 members sweeping hallways, transporting waste, and achieving site-specific tasks while interfacing with school administration to ensure standards and deadlines were met
- Rehearsed for 11 hours a day for 84 straight days in extreme weather conditions with 164 other members

### Michigan Marching Band

Ann Arbor, MI

Euphonium

July 2021-Present

- Performed with over 400 other students to entertain 100,000+ fans every home football game and bowl game
- Rehearsed for 10+ hours a week while managing a full courseload

## AWARDS

- College of Engineering Dean's Honor List Fall 2023- Given to students with a term GPA greater than 3.5
- Austin Moore Family Marching Band Scholarship
- Eagle Scout, Troop 75, Columbia, MD

## SKILLS

- *Languages:* C, C++, Java, Python, HTML, CSS, JavaScript, Julia, Matlab, SQL, SAS
- *Libraries:* React, Flask, Pandas, NumPy, PyTorch, Selenium
- *Applications:* Jupyter, Microsoft Office Suite, Google Workspace, GitHub