

Cole Current

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EDUCATION

Michigan State University, East Lansing

May 2025

Candidate for B.S. in Computer Science,

- *Honors*: Dean's List (Fall 2022)

TECHNICAL SKILLS

Java • Python • C++ • C • JavaScript/HTML/CSS • Git / GitHub • React • Flask • FastAPI

LEADERSHIP EXPERIENCE

Software Developer, *Imagine Software Club*

January 2024 – Present

- Led backend development, used Google Firebase to store and protect club member information to improve the club administration. Used FastAPI to connect the database to websites frontend.
- Collaborated with a team of 4 to optimize database performance and support scalable web applications.

House Manager, *Theta Delta Chi*

January 2023 – August 2023

- Managed housing, maintenance, and utilities for an 8,000 square foot multi-unit house accommodating 33 members.
- Coordinated with local companies and contractors for essential repairs and improvements working with an annual budget of \$2,000
- Improved experience for residents by installing new Wi-Fi networking systems and an IoT-based security camera system.

Spartan Hackers, *Financial Chair*

October 2023 – Present

- Served on executive board for the largest CSE student organization on campus of 1200+ multi-major students. Manage all financial operations for the club, overseeing budgeting and fundraising.

PROJECTS

Wordle Bot

- Led the engineering of an advanced Wordle-solving algorithm, optimized to minimize required guesses.
- Architected a full-stack ReactJS application for interactive play against the algorithm with a backend written in Python, frontend written in JavaScript, and linked together using a Flask API.

Personal Portfolio Website, *colecurent.github.io*

- Independently designed and constructed a portfolio website from scratch using JavaScript, HTML, CSS, and the Bootstrap framework,
- Hosted on GitHub Pages while utilizing a variety of online resources to learn and better understand the framework and languages.

WORK EXPERIENCE

Michigan State University Service Center – East Lansing, MI

March 2023 – Present

Service Center Representative

- Managed front desk operations and effectively resolved resident concerns, conflicts, and all issues in a timely and professional manner, ensuring resident satisfaction and conflict de-escalation.