Eyiara Oladipo

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EDUCATION

University Of Detroit Mercy

August 2021 - Present | 4001 W. McNichols Road Detroit, MI

Expected degree - Bachelor's in Computer science

Central High School - 2021 Valedictorian

February 2018 - July 2021 | 2425 Tuxedo Street, Detroit, MI

Degree - High School Diploma

- Maintained a 4.0 GPA and graduated as 2021 Detroit Public School
- District Excellence Award honoree.

EXPERIENCE

University of Detroit Mercy — *Student Researcher*

May 2023 -Present | Detroit, MI

- Utilized discrete event systems and Supremica to create scenarios modeling robot behavior.

- Contributed to pre-existing Matlab software to expand on functionality related to coordinating robot movements and task completion based on their respective regions.

- Used techniques like memoization and memory pre-allocation to improve code speed and optimize code structure.

Modern Software — *Junior Developer Program*

June 2020 - Present | Detroit, MI

- Helped conceive, pitch, secure funding for, and create a social media platform centered on spreading positivity called Manifest+. The system was built using technologies like Vue.js, Golang, and Google Cloud services to manage authorization and authentication.

- Developed the front end for a software application that tracks Overall Equipment Effectiveness (OEE) to measure machine productivity in an Allen Bradley PLC controller. The software is updated in real time and displays multiple data points in a user-friendly layout.

Social Cognitive Development Lab — *Student Researcher*

Number 2021 -Present | Detroit, MI

- Collaborated with the assistant professor of psychology at the University of Detroit Mercy to develop a website that includes several tests to measure and gather data on implicit gender and racial biases in children.

- Contributed to the research process by serving as a lab assistant. Implemented feedback for the website given by other lab assistants, attended lab meetings, and offered improvements to research methods.

Google — *CSSI: Online Participant*

Summer 2021 | Detroit, MI

- Completed an introductory project-based JavaScript and Firebase curriculum taught by Google engineers.

- Configured 5 individual coding projects in Javascript by using concepts

SKILLS

- Proficient knowledge of Typescript and Vue.js
- Experience with Squarespace & Trello
- Conversant in Spanish

ACCOMPLISHMENTS

- Lead programmer in Central High School's First Robotics team

- Honored as a Computer Science Hero during the 2022 CSED Week

- Vice president of the University of Detroit Mercy Chess Club

- Vice President of the University of Detroit Mercy African and Caribbean Students' Organization

PROJECTS

Faculty Reimbursement Manager

Github | Demo

- I collaborated with three classmates on a project to enhance the reimbursement system for the College of Engineering at the University of Detroit Mercy. Our goal was to create a more efficient and user-friendly system for generating reimbursement documents for faculty purchases.

Tools: | Vue.js | Typescript | Node.js | MongoDB | Express

Budgeting Site

Github | Demo

- A website that helps users track their finances, allowing them to add expenses, incomes, and bills while visually presenting their spending habits through responsive graphs.

Tools: HTML | CSS | Javascript | Vue.js | Firebase

Interests

- Reading

such as variables, data types, and functions.

- Chess

Kapor Center — *National Student Leadership Team*

December 2020 - July 2021| Detroit, MI

- Member of a team designed to discuss how society can address the digital divide when it comes to computer science opportunities for minorities.

- Assisted in the development of the Kapor Center Culturally Responsive CS Education Framework by providing insights and feedback on the current education system and how we can address the issues that plague it.

JOURNi — *Teaching Assistant*

July 2020 - September 2020, July 2022 - August 18, 2022, | Detroit, MI

- Worked in a virtual environment to update and revise content used to teach a group of 25 students, leading to better and more refined information for the students, while saving time for the primary instructor.

- Co-operated with a group of 3 teaching assistants and a primary instructor to supervise a pod of 5 students each, keeping track of attendance while working to keep the students engaged.