

Omer Sipahioglu

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EDUCATION

Michigan State University | East Lansing, MI

B.S. in Computer Science

May 2026

Relevant Courses: Computer Organization, Data Structures, Foundations of Programming, Algorithms & Analysis

TECHNICAL SKILLS

Programming Languages: Python (Advanced), C++ (Intermediate), HTML/CSS (Intermediate), C (Beginner),

PROJECTS

Developed a Financial Trading Simulation

Apr 2023

- Developed a comprehensive trading exchange system in C++ for asset deposits, buy/sell orders, and fund withdrawals.
- Enabled real-time management of user portfolios, including automatic updates and detailed financial overviews.
- Designed algorithms for efficient order matching and trade settlement, ensuring accurate market operation execution.
- Enhanced user experience by providing insights into portfolio holdings, pending orders, and comprehensive trade history.

Client-Side Web Development Course | The Odin Project

July 2023

- I completed a course in client-side web development, focusing on HTML, CSS, JavaScript, React, and web accessibility. Through practical projects, I gained experience in building dynamic and inclusive web applications, crafting interactive interfaces, and ensuring usability for people with diverse abilities

PROFESSIONAL EXPERIENCE

Student Front-end Web Assistant | Michigan State University | East Lansing, MI

Feb 2024-Present

- Assisted in integrating and enhancing college websites within the MSU College of Engineering, focusing on improving user experience and site functionality.
 - Developed and applied a foundational understanding of HTML and front-end web design principles to support website layout updates and content migration projects.
- Engaged in continuous learning to stay abreast of best practices in web design, user experience (UX) design, and web accessibility, demonstrating a commitment to professional growth and skill development.

Teaching Assistant | Michigan State University | East Lansing, MI

Jan 2023 - Present

- Mentor over 150 Introduction to Programming students, explaining challenging concepts to both Computer Science and non-technical majors
- Provided support to professors in the delivery and assessment of educational programs. This may include grading assignments, leading discussion groups or tutorials, assisting with class preparation and administrative tasks, and providing guidance and mentorship to students.

LEADERSHIP EXPERIENCE

Founder & Team Captain | Orion | Istanbul, Turkiye

Jan 2020 - Jan 2022

- Demonstrated leadership by managing a team of 10 to ensure our drone meets the qualifications
- Presented workshops and completed robotic projects with underprivileged students at a public elementary school to increase their knowledge of technology
- Best Drone Design Award | 2020-3rd Place out of 140 Teams | 2021- 2nd. Place out of 250 Teams