

Yousef Mardrosyan

(248)-808-0446 | yousefm2787@gmail.com | linkedin.com/in/yousef-mardrosyan-3b38b4268 | github.com/azvali

EDUCATION

Oakland University

Rochester Hills, MI

Bachelor of Science in Computer Science, Graduated December 2024

- GPA: 3.61/4.0
- Dean's List: Fall 2021 – Fall 2024

Citizenship: U.S. Citizen; eligible for DoD Secret Clearance

EXPERIENCE

Software Engineering Intern

June 2024 – Aug 2024

Department of Homeland Security

- Collaborated with cross-functional teams to modernize internal web portals, ensuring Section 508 accessibility compliance.
- Contributed to Agile sprints by delivering wireframes in Figma and implementing user feedback iteratively.
- Assisted with internal tooling using Git and Confluence for version control and documentation.

Research Assistant

May 2023 – June 2024

Oakland University

Rochester Hills, MI

- Created an automation script in Python that generated UML diagrams for student projects.
- Discovered vulnerabilities in PyTorch and TensorFlow functions, improving framework reliability.
- Contributed to embedded systems research using JIRA and Git-based collaboration workflows.

Teaching Assistant, Computer Science

Jan 2024 – May 2024

Oakland University

Rochester Hills, MI

- Assisted in teaching C# fundamentals and programming concepts to undergraduates.
- Held weekly office hours to help students debug and understand algorithmic logic.

PROJECTS

Vendora | *React, C#, ASP.NET Core, PostgreSQL*

- Built a full-stack e-commerce platform allowing users to create accounts, list items for sale, upload images, and browse products.
- Developed a secure and scalable backend in C# using ASP.NET Core, implementing JWT-based authentication, password hashing with BCrypt.NET, and password recovery functionality.
- Designed RESTful APIs and integrated PostgreSQL via Npgsql, applying OOP principles to create modular, maintainable services and a clean data access layer.

Whisp | *React, Flask, PostgreSQL, SocketIO, JWT, REST APIs, BCrypt.NET*

- Built a full-stack messaging app with real-time friend requests and chat using SocketIO.
- Implemented secure authentication with JWT tokens, password hashing, and password recovery.
- Created RESTful API in Flask for user, message, and friend management.
- Developed React front-end for login, chat, and contact features.

Fooducate | *React, Firebase, OpenAI API, Node.js*

- Created a mobile nutrition app that analyzes food images to extract nutritional data.
- Integrated AI-driven diet coach for personalized meal suggestions.
- Used Firebase for secure user authentication and calorie tracking.

TECHNICAL SKILLS

Languages: C#, JavaScript (ES6+), Python, C++, SQL, HTML, CSS

Frontend: React, HTML/CSS, Responsive Design, Figma (Wireframing)

Backend: ASP.NET Core, Flask, Node.js, REST API Development, JWT Authentication, Socket.IO

Databases: PostgreSQL, Firebase, Npgsql

Tools: Git, GitHub, JIRA, Confluence

Concepts: Full-Stack Web Development, Object-Oriented Programming, Secure Authentication, API Design, Agile Methodology, Accessibility (Section 508)