

Omer Mohammed

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Education

Wayne State University | Detroit, MI

Sep 2020 - Dec 2024

BS. Computer Science

Notable Coursework: Data Structures, Software Engineering, Database Management, Operating System, Cyber Security

Work Experience

Acuitii (Startup) | Contractor Software Engineer | Detroit, MI

Jan 2024 - May 2024

Designed and developed Acuitii's mobile application

- Managed **intuitive UI flows**, pioneered an **Image Puzzle Progression feature**, and **refined dropdown title selection** tailored for users.
- Engineered a versatile architecture using Flutter and Dart for cross-platform development, with Firebase for streamlined data management
- Conceptualized technical architecture to meet future functionality and scalability needs as defined by clients.

Our Next Energy (Startup) | Software Engineer Intern | Novi, MI

May 2023 - Aug 2023

Developed infrastructure plug-ins for Engineering and Lifecycle Management System

- Enhanced work requirements process by leveraging software tools such as IBM Jazz ELM.
- Created plug-ins for the Production Server using **Java**, boosting production time by **10%**.
- Revamped production dashboard with front-end and back-end techniques such as **React, Tailwind CSS, Java, MYSQL** elevating user engagement and data visualization.
- Contributed to product release cycles in an **agile scrum environment**, successfully managing and implementing features.
- Leveraged **GitLab CI/CD** for **Continuous Integration, deployment, and optimized** software development processes.

Code 313 | S.T.E.M Engineer Intern | Detroit, MI

Jun 2022 - Aug 2022

- Redesigned the development of the computer science curriculum resulting in **13% increase** in engagement/performance.
- Crafted coding challenges and beginner coding materials to build the students coding foundational skills.

Notable Projects

Responsive Portfolio | omer-mohammed.com

Oct 2022

- Utilized **CSS, React JS, JavaScript**
- Designed intuitive navigation/animations to enhance user experience by creating an engaging platform.

Voice Integrated AI Chat Bot Application

July 2023 - Aug 2023

- Utilized **Python, Node.js, Fast API, React.js, OpenAI API** and **Tailwind**
- Implemented a deep learning framework to create a neural network-based architecture to generate human-like responses.
- Significantly enhanced comprehension of intricate questions for a user-friendly, interactive voice chatbot.

Technical Skills

Programming Skills: Python, HTML, CSS/ Tailwind, C++, C, Java, JavaScript, SQL, .NET

Frameworks/Libraries: React.js, Node.js, Flask, Next.js, NumPy, Flutter, Dart

Software: MATLAB, Git, Microsoft Suites, CI/CD, AWS (SaaS, EC2, S3), Google Firebase

Certifications: Salesforce AI Associate

Leadership

AWS Cloud Organization | Co-Captain

Aug 2023 - Present

- Oversaw and provided strategic leadership, informational oversight, and governance to over **60 organization members** to success.
- Served as an ambassador such as managing events, and communication among other team members.