MICHAEL OLUBODE

Landover Maryland, USA

240-459-4720 | moolubode3@gmail.com | LinkedIn | GitHub

EDUCATION

University of Maryland Eastern Shore — August 2021 – May 2025

Bachelor of Science in Computer Science

Relevant Courses: Data Structure and Algorithms, Software Engineering, Software Testing, Assembly Language, Java, Internet Programming, Database Management, Computer Architecture, Operating System, computer networks

Cumulative GPA: 3.50

EXPERIENCE

IOS Developer — January 2024 – Present

University of Maryland Eastern Shore

- Spearheaded the full-stack development of an iOS mental health platform, secured by an Apple innovation grant, leveraging Swift, Xcode, and Firebase for robust authentication and Firestore for realtime encrypted messaging.
- Engineered and optimized the application's architecture for high performance and scalability, employing unit and integration testing frameworks to ensure fault tolerance and seamless user interactions.
- Authored detailed technical docs and used Final Cut and Lucid Charts for README videos and app flow diagrams, boosting developer handoff and user insight.

Software Developer Intern — June 2023 – Present 2023

KBR, Inc, Silver Spring Maryland

- Maintained and added components to an existing Python framework that compiles pre-written JavaScript components, enabling the creation of data-driven web application through the execution of Python Script.
- Assisted in feature planning and task delegation for the Python framework development project.
- Supported the Continuous deployment (CD) pipeline in Jenkins to build and deploy Python Sphinx document.
- Monitor the flow of satellite data products and provide customer facing support in the case of outages or interruption.
- Utilized AWS S3 and DynamoDB to enhance the functionality of Python tools.

PROJECTS

Rent-Wheels-Online | React, Node.js, PostgreSQL, Docker.

- Created a full-stack car rental web app with user authentication, vehicle listing, and reservation features, demonstrating proficiency in both front-end and back-end development.
- Role: Full-stack developer responsible for coding, database management, and user authentication.
- Key Features: User registration and login, vehicle listing and details, reservation system.
- Achievements: Increased user engagement and streamlined the vehicle rental process.

ACTIVITIES AND AWARDS

MATH CLINIC — **August** 2022 – Present

Math department (University of Maryland Eastern Shore)

- During study session, I facilitate student learning by conducting interactive sessions and offering personalized support to address any challenges students may encounter with math problems or concepts.

2024 AMIE Design Challenge

- Participated in a design challenge centered on algorithmic bias, targeting Uber's facial recognition algorithm.
- Spearheaded the design of an advanced facial verification system utilizing Near-Infrared technology to enhance accuracy and verification app to work seamlessly with NIR dash cameras, ensuring a robust two steps authentication process.
- Award 1st place for the comprehensive approach to addressing algorithmic bias, showcasing the ability to devise effective solution to complex challenge within the AI domain.

TECHNICAL SKILLS

Language: Java, Python, C++, JavaScript, HTML/CSS, SQL, SWIFT

Framework: React, Node.js, Express.js, WordPress, Material-Ui, FastAPI, UIKit, SwiftUi, React Native

Developer Tools: Git, Docker, Google Firebase, Visual studio Code, Linux, Eclipse, VirtualBox, Ubuntu