Demilade David Animashaun

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EDUCATION

University of Maryland, Baltimore County *(UMBC)*   Aug 2020 – Dec 2023
B.S in Computer Science │ **GPA**: 3.83/4.0
Courses completed: Object Oriented Programming and Design, Data Structures and Algorithms, Problem Solving and Programming, Discrete Structures, Computer Architecture, Artificial Intelligence.

SKILLS

Programming Languages: C++, Python, Java, Javascript, Swift, C, HTML,CSS, R, Assembly.
Technologies: Bootstrap, VS code, Git, Virtual Box, Xcode. Git, Qt, JIRA, Django, React, mySQL, Linux, Postman.
Foreign Language   French, Yoruba.

WORK EXPERIENCE

Software Engineering Mapping Team, Robotic Research LLC │ *Intern*   May 2023 - Aug 2023
Developed a user-friendly GUI application to efficiently track and manage parking locations for trailer trucks within a compound environment.
- Utilized **C**++ and **Qt** Library to design and implement the application's front-end and back-end interface, ensuring an intuitive and visually appealing user experience with a secured robust back-end system.
- Collaborated with a cross-functional team of software, hardware and autonomous vehicle engineers and to gather requirements, discuss design considerations, and integrate feedback into the application's development.
- Demonstrated strong problem-solving skills by addressing technical challenges and optimizing performance, resulting in a highly responsive and reliable application.

Department of Computer Science, UMBC │ *Teaching Assistant*   Aug. 2021 – Present
Facilitate the comprehension of essential principles in Python and C++ for students through interactive exercises.
- Conduct scheduled office hours, offering personalized assistance to students seeking guidance on assignments and course-related topics.
- Deliver comprehensive and constructive feedback on graded assignments, fostering improved assimilation of course content among students.

PROJECTS

FineDance   Aug. 2023 - Present
- Collaborated with a team of 4 to build a web-based stock tracking and financial management application that provides users with real-time stock data, personalized watchlists, and data-driven insights.
- Implemented the frontend using **ReactJS**, delivering an intuitive and responsive user interface for stock tracking and visualization. Leveraged **Django** for the backend, enabling data storage, and API development.

Portfolio Website   Sep. 2022- Oct. 2022
- Designed a personal website that provides professional information and showcases personal projects accomplished. Built with **HTML/CSS** in **Visual Studio Code**.

Caesar Cipher decrypt and encrypt   May 2022
- Worked with a colleague using **C**, and **Assembly** to establish a systematic way of encryption and decryption that improves security by ~90% in terms of password protection.

Manufacturing Scheduler   November 2021
- Developed a *C*++ program utilizing priority queues to optimize production, supply, and consumption organization, resulting in an approximate ~80% enhancement in order prioritization and supply efficiency.