Oluwatobiloba (Tobi) Lawuyi

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EDUCATION

Prairie View A&M University   **Prairie View, TX**
Bachelor of Applied Science, Computer Science & Mathematics   *Expected May 2025*
· GPA: 4.0
. Honors, Affiliations and awards: Honors List 2023-2024, National Society of Black Engineers – International Committee Chair, African Student Association, Robotics Club, Data Science Club, TMCF Leadership Institute Scholar, Association of Computer Machinery – Outreach Chair and Coding tutor, National Society of Minority Engineers Corporate Scholar.

EXPERIENCE

Prairie View A&M University Research and Innovation   **Prairie View, TX**
Undergraduate Researcher,   *August 2024 - Present*
. Developing a cross-platform mental health app using Flutter and Firebase, that will result in a 25% improvement in user engagement by analyzing social media activity, sleep patterns, and daily habits.
. Collaborate with research professionals to design NLP algorithms and accurately interpret data, achieving 85% accuracy in tracking and correlating mental health indicators from user data.

Air Products Chemicals Inc.   **Allentown, PA**
Software Engineer Intern, Application Automation   *May 2024 – August 2024*
· Utilized AgilePoint, ServiceNow, and SharePoint to develop automated applications, reducing manual interventions by 34% and increasing process efficiency across global teams
· Wrote PowerShell scripts that streamlined SharePoint integrations, cutting deployment time by 25%
· Collaborated with global teams across Europe, Asia, and the Americas to gather requirements and deliver tailored software solutions, supporting over 100 users worldwide.

Prairie View A&M University Tutoring Center   **Prairie View, TX**
Peer Tutor   *October 2023 – May 2024*
· Tutored lower and advanced-level mathematics and computer science courses, resulting in a 42% average improvement in student grades.
· Led 4 study jam sessions, increasing attendance and engagement by 50%.

EXTRA-CURRICULAR ACTIVITIES

PVAMU Smart Transportation Workshop   **Prairie View, TX**
NCIT Transportation Technology Development Workshop   *May 2024*
· Utilized hardware resources such as Arduino and raspberry pi to create 2 models of autonomous crash detection and prevention as well as path alignment self-driving vehicles respectively.
. Created a GPS location system using SwiftUI, reducing travel path calculation time by 20%.

PVAMU Ignite Hackathon Winner   **Prairie View, TX**
CampSafe Hackathon with Chevron, Sandia and Capital One   *February 2024*
. Collaborated with 2 engineers to develop and implement a gun recognition software that accurately identified firearms using APIs and notified individuals within 5 seconds, reducing potential response time during simulated school shooting scenarios.
· Used python to pull APIs to recognize the guns, frontend written with HTML/CSS, JavaScript and Figma for prototyping.

Prairie View A&M University   **Prairie View, TX**
NASA, CACI Trick Simulation Training   *December 2023*
· Participated in rigorous CACI trick development program learning the ins and outs of trick simulation software
· Enhanced coding and simulation assignments to predict real life outcomes for proper planning in space exploration.

ADDITIONAL INFORMATION

Hard Skills: C++, Python, CSS/HTML, Visual Studio, MySQL, Microsoft Office and Project, Google Suite, Linux/UNIX, AgilePoint, Swift, React Native, React.js, Figma, PhpMyAdmin
Soft Skills: Business Communication, Problem Solving, Leadership, Cross-functional Teamwork, Research.
Certifications: Pythons and Pandas(Kaggle), CACI Space Exploration Software Simulation Certification(NASA)