

# 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, TMC 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%.

## LEADERSHIP & CAMPUS INVOLVEMENT

**PVAMU Smart Transportation Workshop**

**Prairie View, TX**

*NCIT Transportation Technology Development Workshop*

*May 2024*

- Lead a group of 4 engineers that 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.

## SKILLS AND CERTIFICATIONS

**Technical 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)