

SIMUKUKA AKAKANDELWA

simukuka.akakand@bulldogs.aamu.edu | 256-270-6116 | [LinkedIn](#) | [Github](#)

EDUCATION

Alabama A&M University

Bachelor of Science in Computer Science

May 2026

GPA: 3.95

Awards: Presidential Medallion Award (2023, 2024), Dean's List (2023, 2024), Honor Roll (2023, 2024)

Relevant Coursework: Data Structures & Algo, Digital Logic Design, Operating Systems, Computer Organization, Linear Algebra.

TECHNICAL SKILLS

Language/ Web Techs: C++, Python, JavaScript, HTML, CSS, APIs.

Frameworks / Libraries: React, React Bootstrap, Axios, Bulma, Node.js, Express.js, npm, Firebase

Tools: Git & Github, Postman, Hoppscotch, Visual Studio Code, Jupyter

EXPERIENCE

Microsoft x Cyborg Mobile

Redmond, WA

Software Engineer/Product Manager Intern

June 2024 – August 2024

- Developed a full-stack web app using **React**, **Firebase**, **Bootstrap**, and **Copilot API** to help users adopt sustainable dietary habits for improved health.”
- Collaborating in a team of five to complete the entire **product development cycle**, including design thinking, ideation, usability testing, prototyping, user research, and developing specifications.

Bloomberg

Virtual

HBCU Summit and Accelerator program

May 2024 - June 2024

- Participated in 1:1 mentorship with a SWE at Bloomberg, gaining insights into career development.
- Enhanced professional skills through workshops, mock interviews, and job shadowing, preparing for future internship and full-time opportunities at Bloomberg.

Bensussen Deutsch & Associates

Redmond, WA

AI Solutions Intern

June 2023 – August 2023

- Spearheaded an innovative project assessing the capabilities of **ChatGPT** and **GitHub Copilot** (as an Extension in PHPStorm) in PHP development, impacting critical areas of BDA's workflow.
- Optimized PHP development by methodically evaluating performance, resulting in a **projected 20% reduction** in development time.

Alabama A&M University

Huntsville, AL

Computer Science Tutor

October 2022 – Present

- Effectively tutoring **10+** students in Python, C++, and Data Structures, driving grade enhancements and concept mastery.
- Delivered an impressive **15%** average grade increase, leveraging tailored instructional methodologies.

PROJECTS

1st Prize MIT Future Makers Create-a-Thon

- Curated data from diverse sources, **enabling data-driven decision-making** to reduce methane emissions in the fracking industry. Implemented a **trained model** to accurately predict pollution levels based on input variables.
- Awarded 1st prize**, demonstrating the project's innovative approach and commitment to sustainable practices.

[Calculator App](#)

- Developed a user-friendly calculator application using **HTML**, **CSS**, and **JavaScript**, showcasing proficiency in front-end development.
- Implemented arithmetic operations such as addition, subtraction, multiplication, and division, demonstrating strong programming skills.

[YourShare App](#)

- Developed “Yourshare,” a platform designed to enable individuals to share and borrow items within their community to reduce waste and strengthen connections.
- Implemented React and React Bootstrap to ensure intuitive navigation for a seamless user experience.