Sunday Ochigbo

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EDUCATION

Alabama A&M University, Expected May 2027   Normal, AL
Bachelor of Engineering in Electrical Engineering, Computer Engineering Concentration, **4.0/4.0 GPA**
Course Work: • C++ Programming • Linear Algebra • Data Structures and Algorithms • Applied Differential Equations • Linear Circuit I & II • Digital Circuits • Analog Circuits I & II • Python for Data Science • Computer Architecture • Semiconductor Engineering

SOFTWARE AND TECHNICAL SKILLS

• Python 3 • C++ • JavaScript • React • Redux • SQL/MySQL • Node.js • Git &GitHub • MATLAB • PCB Design • Arduino • Fusion 360 • C# • RAG (Retrieval Augmented Generation) • Agile

PROJECT EXPERIENCE

Spring 2025   **NextUp Mobile App**   Normal, AL
- Built a mobile app to address the problem of access to internship and scholarship opportunities using React Native, JavaScript, and Node.js.
- Performed **vector embeddings** using pinecone and OpenAI API to achieve more tailored responses through Retrieval Augmented Generation for the chatbot feature of the app.
- Collaborated with 3 students to deliver a compelling business pitch, earning 2nd place out of 20+ teams.

Spring 2025   **FICO Analytics Data Challenge**   Normal, AL
- Engineered 25+ features across time and behavioral dimensions to train fraud detection models with a 500K+ transaction dataset
- Built and tuned neural networks evaluated on LAUC and AUC, ensuring interpretability, leakage prevention, and real-time deployment readiness
- Secured 2nd place overall for a well-performing, responsible AI solution that leveraged novel features like credit ratio and emphasized model generalizability

WORK EXPERIENCE

May 2025 – Aug 2025   **Microsoft Corporation**   Redmond, WA
Software Engineering and PM Intern
- Improved the User Interface and Experience of a confidential web tool using React, Typescript, and Redux, and C#, used by game developers to publish their games.
- Efficiently collaborated with designers, senior developers, and interns across teams and time zones using agile methodologies.
- Scoped a new gaming project and worked with business partners and stakeholders to ensure that the project met business needs and customer requirements.

May 2024 – July 2024   **Facility of Rare Isotope Beams**   East Lansing, MI
Research Intern and Mentor
- Redesigned and implemented 3 PCB layouts for Next Generation Neutron Detectors, improving photon detection accuracy by 15% using Fusion 360.
- Assembled and soldered PCB components, conducting tests that ensured 98% precision in photon detection.
- Mentored and guided 3 high school students in conducting experiments like Rutherford Scattering, fostering hands-on learning in particle physics.

Nov. 2024 – February 2025   **Goldman Sachs**   Dallas, TX
Emerging Leaders Scholar
- Actively engaged actively in mentorship sessions and gained meaningful knowledge about technology in investment banking.
- Led a team of 5 scholars to build the capstone project: an intuitive web-based tool for estimating the returns of fund investments.
- Implemented backend APIs, using Node and Express, for getting ticker beta values and implemented functions to calculate the average S&P 500 market return rate for the past 9 years.

LEADERSHIP

August 2024 – May 2025   **Google Developers Students Group on Campus**   Normal, AL
Learning and Development Manager
- Collaborated with the technical manager to oversee the hands-on project experience designed to equip students with real-world problem solving and software development skills.
- Organized technical sessions to equip students with necessary skills like Interview Coding skills, Data Structures and Algorithms, Machine Learning Introduction, and Cloud Computing basics.

PROFESSIONAL DEVELOPMENT & ACCOMPLISHMENTS

Winner, 2024 HP FOWA Innovation Challenge • **Winner**, 2024 AABE Hackathon • **Finalist,** 2023/2024 xTech HBCU Competition • TMCF MetaScholar Cohort IV• **2nd Place**, Innovate Alabama Entrepreneurship Hackathon • **2nd Place**, Alabama A&M Capture the Flag Competition • **2nd Place**, AUC Data Challenge • Learning Manager, Google Developers Students Club • Colorstack Member • AAMU Honors Scholar • Presidential Gold Medallion • AAMU Presidential Scholar • Technical Manager, IEEE • NSBE Member