Ogheneobukome Jefferson Ejaife

• Huntsville, AL 35811 • (256) 797-8649 • ejaifeobuks@gmail.com • github.com/ejaifeobuks • linkedin.com/in/ogheneobukome-ejaife

EDUCATION

Alabama A&M University, Normal AL   Expected: May **2027**
Bachelor of Science in Electrical & Computer Engineering   4.0/4.0 GPA
RELEVANT COURSEWORK: C++, Computer Architecture, Data Structures & Algorithms, Digital Logic Design, Analog Circuits I&II, Linear Circuits I&II, Linear Algebra, Differential Equations, Deep learning
HONORS: AAMU Presidential Scholarship Recipient, Freshman Presidential Award (2024), HP Innovation Challenge 2nd Prize Winner, 3rd Prize: STEM Day Poster (2024), 2nd Prize: AAMU & Deloitte CyberCup (2024), International Mathematical Olympiad (**IMO**) Country Representative (2021), 3x Nigerian Senior Mathematics Olympiad (**NIMO**) Winner (2018-2021)

SKILLS AND CERTIFICATIONS

LANGUAGES/FRAMEWORKS: Python 3, C++, Golang, Docker, Linux, Kubernetes, Git, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib
CERTIFICATIONS: Stanford Supervised Machine Learning: Regression and Classification, Kaggle Pandas for Data Manipulation, Deep Learning
TECHNICAL SKILLS: Distributed Systems, Regression, Classification, Neural Networks, Data Visualization, Predictive Modelling, Machine Learning, Multisim

RELEVANT EXPERIENCE.

Microsoft Corporation | *Software Engineering Intern* **|** Atlanta, GA   **May 2025- Aug 2025**
- Enhanced an AI-powered CLI tool by refining LLM prompts and Docker templates, improving its success rate to 40% on my test repository and contributing to a 15% success rate across all repos
- Developed a new feature, in Go that generates detailed markdown reports to track containerization outcomes and token usage across pipeline stages.
- Contributed to Microsoft open-source projects by implementing new features in TypeScript for GitHub Actions — enabling automated version selection and improved error logging, resulting in the resolution of 2+ long-standing issues.

MIT | *Summer Geometry Initiative (SGI) Fellow* **|** Remote   **Jul 2025- Aug 2025**
- Selected as 1 of 30 fellows worldwide for the MIT SGI Fellowship — a competitive 6-week program in geometry processing & computer graphics.
- Implemented a C++-based mass-spring optimizer to simulate realistic material behavior in deformable meshes under stress, and leveraged Python, PyTorch, and Open3D for additional projects in mesh simplification, parameterization, and convex optimization.

Underwriters Laboratories (UL) Solutions | Wireless Testing Intern **|** *Fremont, CA*   **May 2024- July 2024**
- Operated DASY6 and DASY8 robots to accurately test, record, and plot specific absorption rate (SAR) values and RF heat maps, ensuring wireless devices meet 100% FCC and ICC compliance standards.
- Ran Python commands and scripts to configure antennas of wireless devices to transmit at specific frequencies, bands, and powers.

PROJECT EXPERIENCE

AUC & Mastercard Data Science Challenge 2024 | *Python, Pandas, Scikit-learn, Matplotlib*
- Led a team of 3 to analyze 7 years of Inclusive Growth Score (IGS) data for a selected U.S. community, utilizing Pandas for data cleaning and Matplotlib for trend visualization.
- Applied correlation analysis to identify key drivers of IGS scores and provided strategic data-driven recommendations for Improvement
- Delivered a professional pitch of my findings to a panel of data science professionals securing 3rd place and a $5,000 award

StudyFlex | *VandyHacks 2024* **|** Next.js, Material UI, Firebase, API
- Designed the frontend interface for StudyFlex, an AI-powered flashcard generator built in a 24-hour Vanderbilt hackathon using Material UI to deliver an intuitive user experience

PROFESSIONAL AND LEADERSHIP DEVELOPMENT

AAMU (IEEE) Student Chapter | *Operations Manager* **|** *Huntsville, AL*   **Aug 2024 – May 2025**
- Actively led the planning and execution of chapter events, including workshops and guest lectures aimed at driving increased member engagement.

Bloomberg | *Tech Insights Fellow* **|** *Remote*   **May 2025 – Jun 2025**
- Selected from a competitive pool of applicants for an 8-week technical training program focused on developing proficiency in algorithms, coding, and interview prep with mentorship from Bloomberg engineers.

Tapia Computing Conference | *Scholarship Recipient & Attendee* | *San Diego, CA*   **Sep 2024**
- Awarded a full scholarship from the ACM to attend the Richard Tapia Computing Conference, participating in career workshops, industry fairs, and graduate school sessions aimed at professional skills and network enhancement

Traders at Berkeley | Trading Invitational Participant | Berkley, CA   **Feb 2024**
- Selected as the only student from an HBCU among 122 attendees to attend an all-expenses-paid quantitative finance competition at the University of California, Berkeley developing skills in market making, probability, data analytics, and game theory

OTHER INVOLVEMENTS

• Goldman Sachs Virtual Insight Scholar • SIG Freshman Discovery Day Participant • NVIDIA Summer Bridge Participant • AAMU Honors Program
•ColorStack Fellow • Google Developer Student clubs (GDSC) •NSBE • Association of Computing Machinery (ACM)