BENJAMIN OFOSU ACHEAMPONG

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EDUCATION

Academic City University College – Accra, Ghana   Graduating June 2027
Major: Computer Science

Relevant Coursework: Introduction to Python, Data Analysis, Programming in C, Object-Oriented Programming with C++, Database Systems, Web-Tech, Data Structures and Algorithms, Java.

EXPERIENCE

Union Systems Global – Remote   June, 2025 - August 2025
Software Engineering Intern
- Collaborated with a UI/UX designer to redesign a financial dashboard interface for a client, optimizing data hierarchy and component layout, which reduced the average time for users to access key reports by 30 seconds.
- Developed and maintained 40+ unit and integration tests for a critical business analytics API, ensuring robustness, data integrity, and compliance with client requirements before production deployment.
- Enhanced code quality and team collaboration by adhering to enterprise-level coding conventions and leveraging disciplined Git version control practices, facilitating smoother code reviews and more maintainable software

Relu Interactives – Remote   Sept, 2024 - Dec 2024
Game Developer Intern
- Engineered a Target-Hitting game in UE5 with C++, integrating collision detection, a timed loop, and a scoring system.
- Created a Flappy Bird clone in Unity using C# to handle game physics, collisions, and player engagement mechanics.
- Collaborated remotely to debug issues and optimize performance, directly improving gameplay and UX.

PROJECTS

Mediaflix   [Project Link](#)
- Engineered a Python application that automates media library management, leveraging multithreading for concurrent processing and achieving over 98% classification accuracy.
- Built a fault-tolerant parsing engine using regex, Levenshtein distance, and context-aware heuristics to correctly identify and sort files across diverse international naming conventions.
- Optimized performance with a real-time watchdog observer and ensured data integrity using atomic writes.

Knowledge Hub   [Project Link](#)
- Engineered a full-stack React and Node.js platform for 300+ students to share resources across 50+ courses, driving collaboration via a secure, mobile-first application with user authentication and real-time notifications.
- Deployed a Docker-containerized application on Azure, ensuring a scalable and high-performance environment while managing the end-to-end development of features from data export to database design.

SKILLS

- **Programming languages**: Python, C++, C, C#, JavaScript, HTML, CSS, SQL, MATLAB, Java.
- **Worked with**: React, Node.js, Unity, Unreal Engine 5, Oracle, Git and GitHub, Express.js, NodeMailer, Vercel and Render, XLSX, Tailwind CSS, Framer Motion, MongoDB, PyQt5.
- **Soft Skills**: Initiative-Driven, Client Engagement, Problem Solving, Communication, Writing.

CAMPUS INVOLVEMENT

Rotaract Club, *Treasurer*, Academic City University College   **September 2025 – Present**
- Managed the club's GHS 10,000+ annual budget, ensuring transparent fiscal oversight for all projects and events.

Writers' and Debate Society, *Head of debate*, Academic City University College   **January 2024 – Present**
- Lead debate activities, promoting critical thinking and effective communication.