

Kwaku Ofosu Asare

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EDUCATION

Howard University

Washington, DC

College of Engineering and Architecture, Bachelor of Science

May 2027

Major: Computer Science

GPA: 4.0; Computer Science GPA: 4.0

Relevant Coursework: Discrete Structures, Intro to programming, Computer Science 1, Physics 1, Calculus 2

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Swift, HTML/CSS

Frameworks/Libraries: React, Node.js, Flask, Django, Fast API, pandas, NumPy

Developer Tools: Git/GitHub, VS Code, Google Cloud Platform Figma,

RESEARCH AND ACADEMIC PROJECTS

Student AI Chatbot

Spring 2024

- Collaborated with a team of three to develop an AI chatbot using Azure and NLP APIs, handling 1,000+ queries weekly with 85% accuracy to assist prospective students
- Engineered the backend in Python, and created the front end with HTML, CSS, and JavaScript, enhancing user engagement through a responsive design

Online Retail Application Database

Fall 2023

- Designed and implemented a robust relational database schema using MySQL, resulting in a 30% improvement in query performance and a 20% reduction in data retrieval time for the online retail management system
- Implemented frontend features using HTML, CSS, and JavaScript to create an interactive and user-friendly shopping experience, enhancing customer engagement and interaction

Robotics+

Fall 2023

- Collaborated with a team to design and build an autonomous robot, equipped with a sophisticated remote live camera monitoring, improving oversight by 30%
- Integrated an infrared remote-control mode and a first-person view (FPV) feature, enabling precise and immersive control in diverse environments and applications, boosting control efficiency by 25%

EXPERIENCE

Hillton Study Centre

Accra, Ghana

Assistant Math Tutor

January 2023 – June 2023

- Guided and mentored students in mastering SAT math problems Through personalised coaching techniques, resulting in an average score improvement of 120 points per student
- Graded assignments and maintained student score records, creating progress graphs to track performance

LEADERSHIP AND OTHER ACTIVITIES

National Society of Black Engineers, Admin Zone Intern – Washington, DC

October 2023 – Present

- Established and managed KPIs to guide organisational strategy, enhancing decision-making
- Applied data analysis to improve event planning, achieving a 20% boost in attendance and satisfaction

Goldman Sachs Possibilities Summit, Candidate – Washington, DC

January 2024 – February 2024

- Attended a highly selective program with a 16% acceptance rate, participating in 50+ events and 60+ hours of programming, gaining insights from 130+ Goldman Sachs professionals to enhance finance career skills

Bison Byte Major League Hackathon, Candidate – Washington, DC

March 2024

- Developed an AI-powered math tutor and problem solver in a team environment, demonstrating collaboration and technical skills

Howard University FinTech Club, Contributor, Candidate – Washington, DC

January 2024 – February 2024

- Acquired in-depth industry knowledge through active participation in the Fintech Club, analyzing current trends and emerging technologies in the financial technology sector

Personal Interests: Cars, Artificial Intelligence and Machine Learning, FinTech