Maxwell Nyimbili

📞 +233530412635 ✉ maxwell.nyimbili@ashesis.edu.gh in LinkedIn 🐙 GitHub

Summary

Aspiring Software Engineering Intern with foundational knowledge in Full Stack web development, with hands-on experience using PHP and Python's Flask for the backend development. Skilled in using data structures and algorithms to solve coding problems, with hands-on experience in developing dynamic and user-centric applications. Currently leading the Web Development Track at Google Developer Group Ashesi. Eager to leverage technical skills and innovative mindset to contribute to impactful software projects and drive meaningful solutions in a professional environment.

Education

Ashesi University, Ghana   **Graduation: June 2026**
BSc, Computer Science
Relevant Coursework: Calculus, Linear Algebra, Statistics, Discrete Structures, Data Structures and Algorithms, Introduction to AI, Database Systems, Leadership, Economics.

Work Experience

PricewaterhouseCoopers (PwC) Zambia   **Jan 2022 - May 2022**
Auditor Intern
Key responsibilities:
- Conducted internal control over financial reporting (ICOFR) audits, ensuring 100% compliance with international financial reporting standards and reducing financial discrepancies by 10%.
- Inspected property, plant, and equipment (PPE) worth over $50 000 to verify asset valuation accuracy and adherence to company policies.
- Analyzed operating expenses (OPEX), identifying cost-saving opportunities that reduced expenses by 10% within the audit scope.
- Examined cash and cash equivalents, income tax, and revenue records, ensuring compliance with Zambia's financial regulations and improving reporting accuracy by 15%.

BioLith, AshesiGhana iGEM 2023   **June 2023 – September 2023**
Front-End Engineer *Link to Website*
Responsibilities:
- Designed and developed the team's website for project documentation, which enhanced accessibility and information sharing among team members and the public by 90% compared to using other means of documentation.
- Implemented a user-friendly front-end interface using HTML5, CSS3, and JavaScript, ensuring seamless user experience and functionality.

Google Developer Group   **Present**
Web development Track Lead
- Led and instructed web development sessions, training over 30 students in HTML5, CSS3, JavaScript, Python frameworks (Flask and Django), and PHP, resulting in a 40% improvement in student project completion rates.
- Developed a structured curriculum and interactive teaching materials, enhancing student engagement and retention of core web development concepts by 35%.
- Mentored students on projects, guiding them to build functional, responsive web applications and fostering innovation in real-world problem-solving achieving individual efficiency by 10%.

Projects

Nkani-News Aggregator *GitHub Repository*
- Developed a Flask Web-application that scrapes Google News website for a more centralized location to find the latest news. Furthermore, the application uses the vaderSentiment model to conduct sentiment analysis of the requested news articles.
- The application allows regular users as well as the admin to perform CRUD functionalities. *Demo video link*

University Student Management System *Demo video link*
- Developed a University Student Management System using the C++/CLI. The application has the student, faculty and the admin sections, and the respective users can implement CRUD functionalities with access to a database managed by phpMyAdmin, hosted on XAMPP.

Events Manager *GitHub Repository*
- Developed an event manager application using Java and JavaFX for the graphical user interface. The main data structure used was a HashMap, with the key as date of when the event was created and the value as the description of the event. The application included CRUD functionalities as well: *Demo video Link*
- Additionally, I developed a **To-Do List/GPA calculator application** using Java and JavaFX for GUI but used a database for storage and facilitating CRUD functionalities. *GitHub Repository   Demo Video link*

Skills

- Python (Flask, Pandas), PHP, Java, JavaScript, SQL, Version Control (Git), Research, R, Communication, Problem-Solving, Adaptability, Teamwork, Critical Thinking.