Maxwell Nyimbili

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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. 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

Future Interns   **Present**
Web development Track Lead
- Built a personal portfolio using Flask, MySQL, HTML/CSS/JavaScript featuring an interactive resume, SEO, and contact form with email notifications.
- Developing a mini e-commerce platform with product filtering, shopping cart, and checkout simulation using React, Tailwind CSS, and Firebase.
- Redesigning a real-world brand website using AI tools like Durable and Adobe Firefly, with a modern UI in Next.js and CMS integration via Strapi.

PricewaterhouseCoopers (PwC) Zambia   **Jan 2022 - May 2022**
Auditor Intern
Key responsibilities:
- Conducted internal control over financial reporting (ICOFR) audits, ensuring overall 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 significantly 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.

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.