Samantha Mavunga

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SUMMARY

Information Technology students with 2 years' experience in full-stack web development, object-oriented programming, python programming seeking internship in summer.

EDUCATION

MSc. Information Technology	Expected May 2024
Arizona State University, Tempe, AZ	4.00 GPA
B.S. Computer Science	June 2023
Ashesi University, Accra, Ghana	3.74 GPA

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Swift, Python, C/C++, PHP, R programming
Front-End: HTML, CSS, Flask, Bootstrap
Tools, Databases, and OS: MySQL, SQLite, PostgreSQL, Heroku, Git, GitHub, Windows, MacOS, Linux/Unix
Others: Cloud Computing, Tableau, Microsoft office (Word, Excel, PowerPoint, Access), Microsoft Project Professional (MSSM)

PROFESSIONAL EXPERIENCE

Applied Methods Research Experience (AMRE), College of Wooster: Software Engineering Intern   05/2022 – 07/2022
- Developed the macOS application that helps to improve model visualization of the Goodyear tires by 30% using **Swift** programming language and photogrammetry API.
- Moderated meetings with clients and supervisors for updates and feedback on the project bi-weekly
- Presented research findings to the whole organization including the Goodyear Director and other company stakeholders.
- Leveraged project management software Trello board to track the progress of the project and Git for version control.

BlitzTech Electronics, Harare, Zimbabwe: Junior Full stack Developer   06/2020 - 08/2021
- Analyzed and developed front-end and back-end web applications and implemented an Artificial Intelligence chatbot for easy customer interaction with the system. This resulted in a 30% increase in customer interaction and revenue turnover by 10% after year of my internship.
- Studied and analyzed the company's competitors on product pricing and accessibility using **Python** to generate markup ratios which are being implemented at the organization and have increased market share by 20%

RELEVANT PROJECTS

VoiceOverFinancialRecording, Capstone Project   08/2022- Present
- Build a web-based application that reduce the manual typing in recording financial transactions for smaller businesses.
- Incorporate **Google Speech to Text API** for voice recognition and Natural Language Processing for text analysis.
- Created a RESTful API that accepts an HTTP request and process the request using Google Speech to Text API.

Dashboard Evaluation System; Front-end developer, Software Engineering Class Project   01/2022- 05/2022
- Build a real-life system that allowed the center to make reports, visualize and share their data.
- Used **PHP, JavaScript, HTML and CSS** to build an interactive front-end of the system that satisfied the clients functional requirements, the Ashesi Entrepreneurship Centre

Global COVID-19 Research Project Lead; Connecticut, United States of America   01/2021- 04/2021
- Explored the implications of COVID-19 crisis in tertiary education for 5 different countries.
- Presented the research findings as part of the 2021 Model African University Conference in Bayreuth, Germany.

WORK EXPERIENCE

Ashesi University, Accra, Ghana: Library Assistant   08/2022 - Present
- Help students navigate resources in the library and troubleshooting of the library's copy machines and printers.

Ashesi University, Accra, Ghana: Resident Care Assistant   08/2021 - 08/2022
- Organized hall events and meeting every month.

EXTRACURRICULAR EXPERIENCE

Code For All; Ashesi University,   08/2022 – Present
- Teach high school students programming like basic HTML, CSS and python every weekend