SILAS SANGMIN

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Portfolio Website | LinkedIn | GitHub

EDUCATIONAL BACKGROUND

Ashesi University   **Berekuso, Eastern Region, Ghana**
BSc. Computer Science   **Expected Date of Graduation: June 2023**

Relevant Courses: Data Structures & Algorithms, Software Engineering, Web Technologies, Database Systems, Operating Systems, Computer Programming (C, Python), Machine Learning

ACHIEVEMENTS / AWARDS

- **2nd Runner Up,** D-Lab Hackathon – Designed a scheduling system for Ashesi event organizers   **Oct 2022**
- **The MasterCard Foundation Scholar Program,** Ashesi University   **Sep 2019 – Present**
- **Dean's List** (3.5 GPA and above) – Ashesi University   **Aug 2020 – Present**

WORK EXPERIENCE

KudiGo Inc – Accra, Ghana   **May 2021 - present**
Software Engineer
- Developed an e-commerce platform that allows the company to register over 20 retailers to sell different products online
- Fixed bugs relating to displays for different screen sizes to improve the website's responsiveness by 98%
- Built a web app that enabled the company to migrate from a WhatsApp food ordering system to an interactive platform, increasing revenue by 60%
- Building and delivering responsive kudiGo websites, which is attracting over 1000+ users for the company

Family Search, Unique Generation Africa, – Wa, Ghana   **June 2021 - Aug 2021**
Data Analyst Intern
- Analyzed data to make informed decisions for the company, which increased productivity by 70%
- Technologies used: Python (Pandas, NumPy, SciPy, Matplotlib), & R

PROJECTS AND RESEARCH

Hate-Speech Detection on social media – Machine Learning
- Implemented a deep learning model to detect and control hate speech on social media using PyTorch
- Achieved a model accuracy of 95%

Electronic Voting System
- Implemented an election software modeled after Ghana's electoral system using Java, and JavaFX, integrating HashMap and Array List to collate results from districts to the national level

Vooom Bus (3 - person team)
- A web application for Ashesi students and staff for booking and scheduling rides with school buses with ease

CO-CURRICULAR ACTIVITIES

Academic Committee Member, MCF 2023, Ashesi University   **Aug 2021 – July 2022**
- Facilitated weekly tutorials for students to help them understand complex course concepts to reduce failures and improve their academic performance and success rate by 90%

Organizer, Chaang Community Youth Association, Chaang Community   **Oct 2020 – present**
- Co-ordinated the establishment of Chaang Community Library to make learning accessible to the youth in the community
- Organized and facilitated meetings and communal labor programs that enhanced community growth and development in infrastructure and standard of living

Programming Tutor, Firenze Organization   **Aug 2021 – June 2022**
- Taught a python-based curriculum that enlightened 10 juveniles on the basics of computer programming
- Refined the problem-solving skills of said juveniles via a series of 12 weekly coding challenges and assessments

SKILLS

Programming Languages: Proficient in JavaScript, Typescript, Python, PHP, Java, C
Technologies: Angular, MySQL

REFERENCES

Available upon request