MORO LISTOWEL ADOLWIN

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EDUCATION

Kwame Nkrumah University of Science and Technology,   Jan 2021 – Sep 2024 | Kumasi, Ghana
Bachelor of Science, Computer Science

> **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Networking, Systems Analysis and Design, Operating Systems, Linux/Bash, Discrete Mathematics.

PROFESSIONAL EXPERIENCE

Team Lead, *Computer Science Society - KNUST*   Apr 2022 – Sep 2022 | Kumasi, Ghana
- Led a team of 18 members to successfully develop Lost and Found, a mobile application designed to help students easily retrieve their missing items.
- Boosted team productivity by skillfully assigning tasks to members based on their strengths and skillsets.
- Designed and implemented a robust database schema using Firebase to store and retrieve data.

Financial Secretary, *Computer Science Society- KNUST*   Jun 2022 – present | Kumasi, Ghana
- Developed a customized Budget Calculator using Django, for use by myself and other Financial Secretaries resulting in a significant reduction in time spent on budgeting and an increase in accuracy.
- Organized skills programs with my co-executives, which helped more than 500 students learn Python programming.
- Prepared the society's budgets and financial statements, which resulted in over 20% of its funds being saved.

TECHNICAL PROJECTS

StudyMate, *Django, MySQL, Bootstrap* ⧉   Nov 2022 – Jan 2023
- A full-stack web application that connects users with study buddies to accelerate their learning pace
- Migrated the database from **Sqlite3** to **MySQL** to facilitate advanced querying
- Engineered a unit testing infrastructure with the **Django** Unittest model which made debugging easier
- Created a responsive and user-friendly interface with **Bootstrap 5** and **JavaScript**, which greatly enhanced the end user experience.

AirBnB Web Application Clone,   Aug 2022 – Nov 2022
Python, HTML, CSS, MySQL, JSON ⧉
- Developed a full-stack clone of the Airbnb web application
- Implemented a two-storage system; Database storage and File storage with **MySQL** and **Python JSON** serialization/deserialization respectively
- Engineered a unit testing infrastructure with Unittest which reduced the instances of bugs

UNIX Shell, *C* ⧉   Jun 2022 – Jul 2022
- Built a UNIX command line interpreter that replicates the functionality of sh
- Modified the Shell to handle command line input without the use of standard libraries such as printf.

SKILLS

Programming Languages	Libraries and Frameworks
Python(Proficient), C, JavaScript, Java, MySQL	Django, React, Flask, Bootstrap

ORGANIZATIONS AND AFFILIATIONS

Dream Hive Scholarship, *Scholar*   Jan 2022 – present

Google Developer Students Club, *Member*   Oct 2022 – present

National Union of Presbyterian Students,   Jun 2021 – Sep 2022
Organizing Secretary