Thomas Kojo Quarshie

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EDUCATION

Ashesi University	**Berekuso, Eastern Region**
BSc. Computer Science	**Expected Date of Graduation: August 2024**

Cumulative GPA: 3.65/4.00

ALU & Holberton School	**Virtual**
ALX Software Engineering Program	**June 2022 – August 2023**

- Improved proficiency in full-stack development using **Python**, **JavaScript**, and **Flask restful API**
- Expanded technical expertise in C programming language by implementing HTTPS-based website hosting, and Shell permissions within a secure Ubuntu 20.04 sandbox environment

ACHIEVEMENTS/AWARDS

Ashesi Financial Aid, Ashesi University	**2020 – 2024**
*Dean's List Honors, Ashesi University	**2020 – 2024**
*Best Computer Science Thesis Capstone Project, Ashesi University	**2024**

WORK EXPERIENCE

MyDevConnect – Ireland	**May – July 2024**
Frontend Developer	

- Developed a fully responsive design of the Reign of Titans game web app using **ReactJS** to deliver a fully responsive design that enhanced user engagement and accessibility across all devices
- Implemented unit testing for React class components, achieving a **95%** code coverage that improved overall application reliability and performance

WebGeeks – Ashesi University, Berekuso	**January – July 2023**
Back-End Developer	

- Developed a dynamic web application to facilitate student club enrollment using a robust custom designed **Python Flask API** deployed on **Google Cloud**
- Designed and developed user security mechanisms with email notification systems using **Laravel**

PROJECTS AND RESEARCH

MedLink – Ashesi University, Berekuso	**January – May 2023**

- Developed a mobile application using **flutter** to enable users to locate the nearest pharmacies with the medications needed through a custom designed dynamic geofencing algorithm

TeloBinary Database System	**November – December 2021**

- Developed a database system for local pharmacies in Ga West Municipal area to streamline the tracking of drug shortages using **Python** for the backend and **ReactJs** for the Frontend

CO-CURRICULAR ACTIVITES

Ashesi University, Ashesi Innovative Experience	**June - July 2023**
Robotics Coach	

- Mentored 50 high school students in robot development and **python** programming, facilitating proficiency in MQTT communication protocols

Meta, Meta Global Hackathon	**September 2022**

- Employed advanced Data Structures and Algorithms knowledge to efficiently solve the rollercoaster, wanikani, and zigzag coding challenges using **Queues, Stacks and Trees**

SKILLS

- Advanced proficiency in English
- Programming languages (C, C++, Java, Python, JavaScript, PHP, Ubuntu 20.04 commands with developed projects: https://github.com/Thomas-A1?tab=repositories)