

Rudy Ayitinya Sulley

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EDUCATION

Kwame Nkrumah University of Science and Technology – Kumasi, Ghana November 2024
Bachelor of Science in Electrical and Electronics Engineering

TotalEnergies Professeurs Associés - Kumasi, Ghana September 2023
Short Course in Climate Change and Energy Transition

EXPERIENCE

Wings Of Change Ghana, *Contract Web Developer* – Kumasi, Ghana November 2023 - January 2024

- Designed and developed a website that increased brand awareness for a charity organization

GRIDCo, *Electrical Engineering Intern* – Tamale, Ghana November 2023 - December 2023

- Performed routine checks and maintenance of switchyard equipment
- Programmed relays to isolate transmission lines on fault occurrence

KNUST, *Lead Software Engineer Intern* – Kumasi, Ghana September 2023 - November 2023

- Led a team of five to build a circuit simulator desktop application for teaching of Circuit Theory principles in the Electrical Engineering department of the university

GRIDCo, *Electrical Engineering Intern* – Tamale, Ghana October 2022 - December 2022

- Assisted in the installation of a new power transformer and circuit breakers, gaining hands-on experience in electrical equipment installation procedures.
- Participated in the decommissioning of old circuit breakers, ensuring proper disposal and adhering to safety protocols.
- Conducted surveillance of transmission lines to identify and report defects, contributing to the maintenance of a reliable power transmission network.
- Collaborated in the replacement of shattered insulators on a 161 kV transmission line, demonstrating attention to detail and adherence to quality standards.
- Installed optical fibre cables, contributing to the enhancement of communication infrastructure within the organisation.

MegaMinds Inc, *Full Stack Developer Intern* – Remote. September 2022 - December 2022

- Led a team of three members in the development of a database management software, overseeing the entire project lifecycle from concept to deployment.
- Designed the software architecture and database structure, considering scalability and performance optimization.
- Conducted rigorous testing and debugging, ensuring the software's stability and reliability.

AWARDS AND HONOURS

- Recognized as the Overall Best Student in Electrical/Electronic Engineering 2021/2022
- 2x Provost's Honour List, College of Engineering 2021 - 2023

SKILLS

- Proficient in electrical engineering principles, including power systems, circuit analysis, and electrical equipment installation.
- Python, Kotlin, Typescript and experience in mobile and web development.

PROJECTS

Database Management Software

- Built a tool to manage student grades and fee payment schedule reducing the amount of stationery to be purchased by 90% using Vue JS, Python Django and Postgres hosted on GCP

Hostel Booking Software

- Programmed a software in Kotlin to enable students of University of Development Studies, Tamale, Ghana to book accommodation reducing paper work of managers and increasing sales using Ktor Kotlin Server hosted on Google Cloud Run and a Vue JS frontend

Circuit Simulation Software

- Built a circuit simulation software to be used for teaching of basic circuit principles to engineering freshers using Vue JS, Pixi JS and an Electron JS wrapper

Dictionary Software

- A 4.5 star play store reviewed english dictionary software built using Kotlin, Jetpack Compose and Rust

VOLUNTEERING, LEADERSHIP, AND EXTRACURRICULAR ACTIVITIES

Web Developer, TEDx - KNUST January 2024 - Present
Designed and developed the TEDx KNUST website

Peer Tutor, Ghana Engineering Students Association January 2022 - Present
Taught fellow students courses they had challenges with

Vice President, TME Club, KNUST Chapter January 2022 - September 2023
Organised training events for members to enhance their skills in working with electronics

Beta Ambassador, Microsoft Learn Student Ambassadors May 2022 - Present
Organised and spoke at events meant to upskill attendees with software development and technologies

Board Member, TRATECH ELEESA, KNUST May 2022 - Present

Project Team Leader March 2023
Designed and implemented a miniature remote controlled smart electric power supply unit.

SPOKEN LANGUAGES

English: Native Proficiency, French: Full Professional Proficiency, Italian: Elementary Proficiency