

SHANON WAMBUI

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EDUCATION

Jomo Kenyatta University of Agriculture and Technology

Nairobi, KE

Bachelor of Science in Electrical, Electronic Engineering

EXPECTED 12/2023

Relevant Coursework: Algorithms & Data Structures, OOP, x86 Assembly, Microprocessors

PROFESSIONAL EXPERIENCE

Numeral IOT

Nairobi, KE

Software Engineer Intern

01/2023 – 04/2023

- Developed and deployed highly responsive and user-friendly websites
- Designed and tested PCBs used in various IOT devices

Skills: Angular, TypeScript, KiCad, Proteus

Ketraco

Nairobi, KE

Electrical Engineer Intern

01/2022 – 04/2022

- Inspected transmission lines and took part in tower repairs and substation earthing
- Performed transformer tests and maintenance

Skills: SCADA, DigSilent

Kenya Power and Lighting Company

Nairobi, KE

Electrical Engineer Intern

01/2021 – 04/2021

- Inspected and maintained low and high voltage transmission lines
- Performed isolation, testing and earthing of high voltage equipment

Kapa Oil Refineries Limited

Nairobi, KE

Electrical Engineer Intern

06/2019 – 08/2019

- Installed lighting system electrical wiring
- Repaired faulty components' PLCs
- Serviced and maintained motors

Skills: PLCs, SCADA

PROJECTS

Ecommerce App: Typescript, Docker, Angular, HTML, CSS

[Link](#)

- Developed a food ordering website using Angular with Typescript, and Docker for deployment

Case Reporting Website: JavaScript, Angular, HTML, CSS

- Developed a website with user authentication that allows users to file case reports online

Smart Walking Stick: Arduino, C, C++

- Created a smart object-detecting walking stick using sensors, wireless communication tech, and a microprocessor to help visually impaired people navigate public spaces

Twitter Sentiment Analysis: Python, Tweepy, ML

- Created a sentiment analysis bot that classifies tweets as either positive or negative using a machine learning model in Python

TECHNICAL SKILLS

- **Languages:** Typescript, JavaScript, Python, HTML, CSS
- **Frameworks:** React, Angular
- **Developer Tools:** Git, Docker, AWS, GitHub, Gitlab