**Zivoo Ouma Otieno**

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**LinkedIn**: <https://www.linkedin.com/in/zivoo/>

**Github:**

I am an accomplished electrical engineer with extensive experience in software development, notably in Java and Python. I possess expertise in embedded systems design and development, supported by over three years of varied experience. My skills encompass research data collection, electrical installation, and software coding, enabling me to skillfully design and implement electrical systems. I specialize in Agile systems development, Android development, and am proficient in tools including Excel, SPSS, and IBM SPSS. I seek a challenging role where I can leverage my strong foundation in electrical engineering, embedded systems, and software development to create innovative solutions and drive technological progress.

**Professional Experience**

**Research Data Collector (Team Lead)**

**Ipsos Research Company**, Nairobi, Kenya

**May 2023 - Present**

Conducting field research and Call Aided Telephone Interviews (CATI).

Leading a team to achieve data collection targets and project milestones.

Ensuring data quality and accuracy through rigorous data validation processes.

Coding and cleaning collected data for analysis using statistical tools.

Conducting statistical analysis and preparing reports for research projects.

**Data Coding and Analysis**

**Ipsos Research Company,** Nairobi, Kenya

**May 2023 - Present**

Coded and cleaned data for analysis using statistical software.

Conducted in-depth data analysis to derive meaningful insights and trends.

Collaborated with research teams to interpret data and present findings.

Developed data visualization tools and reports for client presentations.

**Software Coder and Quality Assurance**.

**Remotasks,** Nairobi, Kenya

**September 2023 - December 2023**

Conducted Quality Assurance testing on Machine Learning training codes.

Tested code functionality to ensure accuracy and efficiency for machine learning models.

Collaborated with development teams to identify and resolve code issues.

Implemented testing procedures and documented results for machine learning projects.

**Electrical Installation Technician**

**Lectron Electrical,** Nairobi, Kenya

**January 2023 - April 2023**

Installed and maintained electrical systems in residential and commercial buildings.

Conducted wiring, troubleshooting, and repairs for various electrical components.

Ensured compliance with electrical codes and safety standards.

Collaborated with engineering teams to design and implement electrical layouts.

**Industrial Attachment**

**Kenya Power Company**, Nairobi, Kenya

**September 2021 - December 2021**

Rotated through different departments:

Power Distribution: Assisted in maintenance and troubleshooting of power distribution systems.

Customer Care: Handled customer inquiries, complaints, and provided support.

Emergency Services: Responded to power outage emergencies and assisted in restoration efforts.

**Freelance Article Writer**

**People Per Hour**

**2019-2020**

Wrote technical articles on various topics related to technology and health.

Conducted research and produced engaging and informative content.

Ensured articles met client requirements and adhered to SEO best practices.

**Education**

**Diploma in Electrical Engineering**

Ugenya Technical and Vocational College, Kenya

KENYA NATIONAL EXAMINATION COUNCIL

**January 2020 - November 2023**

**Certifications:**

**Facebook's Build for SDG, 2020**

Participated in a project/competition involving teams in Africa building websites or software for solutions using React.

**Google Developer Certification, 2022**

Completed Android development training provided by Google.

**Additional Skills**

* Java Programming
* Electrical Installation
* Electrical diagnosis and Quality check
* Embedded System Development
* Python Development
* Android Development
* Agile Systems Development
* Excel
* SPSS
* IBM SPSS
* Electrical Engineering Principles
* Data Collection
* Data Coding
* Data Analysis
* Quality Assurance Testing
* Technical Writing
* Customer Service
* Team Leadership

**Additional Training:**

Android Development Training by Google

**Projects:**

**Automated Linux Bash Processes with Python Scripts**

Developed Python scripts to automate various Linux bash processes for increased efficiency.

Automated tasks included file management, system monitoring, and backup processes.

**Portfolio Website Development (Retock.com)**

Built a portfolio website using HTML, CSS, and JavaScript.

Unfortunately, lost domain rights (retock.com) which was subsequently sold.

**Class D Amplifier and Sub woofers**

Currently in progress: Developing a Class D amplifier and sub woofers for audio applications.

Designing and testing circuitry for optimal performance and efficiency.

**Low Voltage, Low Current Salt Water Battery Trial**

Conducted a trial on building a low voltage, low current salt water battery for sustainable energy storage.

Experimented with materials and configurations for battery construction and efficiency testing.