

ELKANA KIPRUTO

Geospatial Analyst

Elkana Kipruto | LinkedIn

<https://www.github.com/kiprutoYG> | Github

Email: ygmodest@gmail.com

Mobile: +254715 780480

Juja, Kiambu

EDUCATION

Jomo Kenyatta University of Agriculture and Technology

Sept 2019 – March 2024

Bachelor of Science - Geospatial Information Science

Juja, Kiambu

- Graduated in June 2024 with a second class lower division

Kapsabet Boys High School

Sept 2015 – Nov 2019

Kenya Certificate of Secondary Education

Kapsabet, Nandi

- Grade Attained: B, 66 Points

SKILLS SUMMARY

- **Languages:** Python, R, SQL
- **Libraries:** Pandas, Numpy, Scikit – Learn, Matplotlib, Tidyverse
- **Tools:** Tableau, Excel, MySQL, ArcGIS, QGIS, BigQuery, Git, Google Earth Engine, Power BI
- **Platforms:** Jupyter Notebook, Visual Studio Code, Google Cloud Platform
- **Soft Skills:** Excellent communication, patience, rapport building, teamwork, goal oriented

WORK EXPERIENCE

January 2024 – Present: Self-employed | Errand service startup, Nairobi

- Overseeing daily business operations and task assignment.
- Order tracking.
- Client relations to ensure growth of the business.
- Risk management.

January 2023 – April 2023: Surveyor Intern | Survey of Kenya, Meru

- Conducted surveys on properties and land sites using GPS equipment.
- Conducted research based on existing plats, deeds and other recorded information to determine locations of disputed property lines.
- Entered legal descriptions, lot sizes and other data into databases through adjudication sections.
- Updated registry index maps.
- Updated GIS mining maps by digitizing CAD line files into vector data.

January 2022 – March 2022: Geospatial Analyst Attachee | JKUAT

- Updated the Jomo Kenyatta basemap using high resolution imagery.
- Experienced map creation using ArcGIS, QGIS and more tools.
- Learnt the processing of drone data using Metashape and other tools.
- Automated repetitive tasks using custom scripts.
- Learnt the processing of satellite data for land observation.

LEADERSHIP AND VOLUNTEERING EXPERIENCE

Youth Mapper – Humanitarian OpenStreetMap Team | Aug 2023 – Dec 2023

- Convert satellite imagery into digital maps by tracing features like buildings, roads, and rivers.
- Reviewing and verifying mapping data for accuracy and completeness, ensuring it meets HOT OSM standards.

Member - Association of Geomatics and Geospatial Engineering Students| Aug 2020 – Dec 2023

- Participate in training sessions aimed at building hands-on experience in GIS and programming languages.
- Contribute to geospatial projects with real-world applications, such as drought monitoring.
- Participate in Youth Mappers initiatives, which involve collaborative mapping projects to support global humanitarian efforts.

Member - IAESTE (International Association for the Exchange of Students for Technical Experience) | Aug 2022 – Dec 2023

- Participate in various cultural, social, and networking events organized for members.
- Attending sessions on topics like resume building, interview preparation, and other career-oriented skills.

TRAININGS AND CERTIFICATIONS

Generative AI for Everyone (Deep Learning AI) | Certificate

- Introduction to Large Language Models
- Retrieval Augmented Generation
- Generative AI in business and society

Google Cloud big data fundamentals (Google) | Certificate

- Data Engineering for Streaming Data
- Big Data with Big Query
- The Machine Learning Workflow with Vertex AI

REFERENCES

Dr. Fridah Kirimi

Lecturer, JKUAT

fkirimi@jkuat.ac.ke

+254723 320432

Mr. Kennedy Kibet

County Surveyor, Meru

kenneddy@ymail.com

+254724 969296

Mr. Joel Mahugu

Principal Surveyor, Meru

+254724 178958