



Njoroge Koigi

Geomatics Engineer

Spatial data scientist having recently graduated with a degree in Geomatics engineering and geospatial information systems. Highly adept with technical and personal skills that are suitable for the tasks undertaken in your company. Excellent communicator, fast learner and can handle fast-paced working conditions.

✉ koigikogz38@gmail.com

☎ 0721245628

📍 Nairobi, Kenya

🌐 [linkedin.com/in/njoroge-koigi-460777135](https://www.linkedin.com/in/njoroge-koigi-460777135)

WORK EXPERIENCE

GIS Analyst / Spatial Data Scientist Freelance

01/2022 - Present

Achievements/Tasks

- Geostatistical modeling
- Exploratory data analysis
- Regression analysis
- Support Vector machines classification
- Spatial Epidemiology
- Hydrology (Stream Delineation)
- Spatial Ecology

Survey and GIS Intern KeRRA

07/2019 - 10/2019

Nairobi, Kenya

Achievements/Tasks

- Engineering surveying
- Topographical surveying and mapping
- Cadastral surveying

Contact : Benson Mugo - 0725398958

Survey and GIS Intern Nairobi Metropolitan services

02/2021 - 05/2021

Nairobi, Kenya

Achievements/Tasks

- Cadastral surveying
- Topographical surveying and mapping
- G.I.S analysis
- Engineering surveying

Contact : Aloys Matoke - 0723857176

EDUCATION

Undergraduate

Jomo Kenyatta University of Agriculture and Technology.

08/2016 - 12/2021

Juja, Kenya

Courses

- BSc. Geomatics Engineering and geospatial information systems.

High School

Moi High School - Kabarak

02/2012 - 11/2015

Nakuru, Kenya

SKILLS

Spatial analysis

Web Mapping

Data Visualization

GeoDjango

Spatial Data Science

Geostatistics

Remote Sensing

Python

R

Spatial ML

Cartography

ArcGIS

Anaconda

Geocoding

Leaflet

GeoDa

QGIS

Agent Based Models

PERSONAL PROJECTS

Assessment of spatial and Temporal variation of groundwater recharge; a case study of the Nairobi Aquifer Suite. (05/2021 - 12/2021)

- Monthly groundwater recharge maps from the year 2008 to 2020 for the Nairobi Aquifer Suite.
- Trend analysis using Mann Kendall test resulting into a monthly groundwater recharge trend raster.
- Groundwater recharge map forecast (2024) using a random forest model.

CERTIFICATES

Web Mapping and Web-GIS from Dev to Deployment: GeoDjango (11/2022 - Present)

Geospatial Data Science: Statistics and Machine Learning (12/2022 - Present)

Geospatial Data Science with Python: Data Visualization (10/2022 - 12/2022)

Geospatial Data Science with Python: Geopandas (10/2022 - 12/2022)

Spatial Analysis and Geospatial Data Science with python (10/2022 - 12/2022)

Spatial Data Science: The New Frontier in Analytics (10/2020 - 12/2020)

LANGUAGES

English

Full Professional Proficiency

Swahili

Full Professional Proficiency

INTERESTS

Football

Swimming

Music

Basketball

Philosophy