

Koros Emmanuel Kipsang

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PROFESSIONAL PROFILE

A confident and pro-active individual with knowledge in geospatial information system. I believe in teamwork as well as treasure using the set goals to gauge my level of success and career development. I am a hard of hearing person who is very flexible and able to work well under all normal situations. I am also result driven with exceptional communication and interpersonal skills.

CAREER OBJECTIVE

To enhance a culture of excellence giving all I can in every working position I get involved in, always ready and willing to learn and continually building responsible and accountable personalities whenever I find myself.

To become a hardworking and committed employee and ensure continuous generation of outstanding results based on the responsibilities entrusted on me.

To enhance teamwork and cooperate with other employees to bring success to the organization/institution

ADMINISTRATIVE SKILLS AND EXPERTISE

□AutoCAD
□PostgreSQL
□ArcGIS
□SNAP
□Engineering Survey

□Spatial Analysis
□Google Earth
□Rstudio
□Agisoft
□Python and R programming

□GPS
□Databases
□Data science
□Remote Sensing
□QGIS

PROFESSIONAL EXPERIENCE

Freelance

Feb 2024 to Date

Freelancing

□ Hydrological Modeling: Used a SWAT model to simulate the impact of land use management on surface and subsurface flows in a watershed.

- Data analysis and cleaning of agricultural dataset to obtain the average yield per hectare per district in metric tonnes (Mt/Ha) using dry harvest data, identify major problems affecting crops per district, and assess the consistency of the reported data
- Spatial Data Infrastructure (SDI) Development: Developed SDI for Nairobi Water and Sanitation Company, managed data access roles in GeoServer, and connected it to WebGIS.

Internship

Jan 2023 - April 2023

Kenya Forest Research Institute

- Successfully conducted hydrological and suitability analyses, prepared and mapped GPS data, and performed terrain and image classifications using advanced GIS tools.
- Performed accurate classification and mapping, contributing to enhanced decision-making processes in environmental management and land use planning.

TECHNICAL PROFECIENCY

- **Operating Systems:** Windows XP, 7, 8.1, 10
- **Programming Languages:** Python, R □ **Database Management:** MySQL, PostgreSQL
- **Web Technologies:** HTML, XHTML
- **Software:** AutoCAD, ArcGIS, QGIS, ArchiCAD
- **Other:** Machine learning Algorithms, Artificial Intelligence

REFERENCES

Dr. Mercy Mwaniki

Chairperson,

Department of Geomatics and Geospatial Information Systems

– Jomo Kenyatta University of Agriculture and Technology

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