

BARAK KIPTOO KILIMO

GIS Specialist & Spatial Analytics Expert | Enterprise GIS Solutions | Advanced Cartographic Design

 Nairobi  0700636114  barakkilimo@gmail.com

Summary

As a detail-oriented GIS Specialist, I bring extensive expertise in geospatial analysis and cartography. My work focuses on creating sophisticated spatial analyses and producing high-quality cartographic outputs that directly support evidence-based decision-making across diverse projects. By leveraging my comprehensive knowledge of multiple GIS platforms, I excel at selecting and implementing the most effective tools to meet each project's unique requirements and challenges.

Experience

- Kisumu county**  
Plus Code Addressing, Geospatial Engineer

April 2022 – December 2022  
Kisumu

  - Conducted geocoding to assign Plus Codes to locations.
  - Conducted spatial data validation and quality assurance.
  - Implemented and maintained web mapping technologies.
  - Collaborated with the geospatial team to ensure data accuracy and integrity.
- Kiambu County**  
Land Surveyor


January 2022 – April 2022  
Kiambu

  - Conducted title verification and parcel allotment assessments.
  - Performed boundary surveys and prepared legal documents for the transfer of land ownership.
  - Ensured that all required survey information was collected per project requirements.
  - Maintained an updated database of project-related geographical information.
- Kenya Forest Service (KFS)**  
Survey and Mapping Attaché

February 2021 – May 2021  
Nairobi

  - Created detailed drawings and maps for various projects, including boundary surveys and topographical surveys.
  - Proficient in the use of AutoCAD, GIS and GPS technologies for data collection and survey analysis.
  - Utilized various survey instruments, such as theodolites, total stations, RTK and GPS equipment, to accurately measure and map terrain features.

Education

- Jomo Kenyatta University of Agriculture and technology (JKUAT)**  
Geospatial Information Science  
Second Class Honors  
 <https://www.jkuat.ac.ke/>

September 2017- December 2021  
Bachelor’s Degree
- St Joseph’s Boys Kitale**  
B+

2013 – 2016  
Kenya Certificate of Secondary Education
- Chepturu Primary School**  
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2003-2012  
Kenya Certificate of Primary Education


Certifications


- Website Design and Development**  
Zalego Academy  
 <https://www.africatechschoools.com/school/zalego-academy/>

December 2023

Skills

- GIS**  
Advanced  


QGIS, GIS mapping, Report Writing, CAD Drawings, ArcGIS, ERDAS, Web GIS, Google earth Engine, Python, Documentation, MySQL
- Remote Sensing**  
Advanced  



LiDAR, Spatial Analysis, Data Processing, GPS, Image Analysis, ENVI, R Programming, Cartography, Digital Mapping
- Surveying**  
Advanced  


Civil 3D, AutoCAD, Land surveying, communication Skills, GPS system, Total Station, Level, RTK

Languages

- English**  
Advanced  

- Kiswahili**  
Advanced  

- Kalenjin**  
Advanced  


References

- Dr. Mercy Mwaniki, Ph.D.**  
Chairperson, Department of GEGIS (JKUAT)  
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Phone: 0789418010
- Olando Otieno**  
Geospatialist & Urban Planner (Plus Code Addressing Project Kisumu)  
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