

6/2/2021

NDUNG'U EVANS KARANJA.

Land Surveyor and Geo-Information Expert.

Resume.



: <https://bit.ly/evanskaranja>



: [Evans Karanja.](#)



: evanskndungu@gmail.com



: +254740420848 | +2547285471968

P.O BOX 14 -01031, KINDARUMA, KENYA

CURRICULUM VITAE

PROFILE SUMMARY

I am an astute, open-minded person and a quick learner who is eager to be challenged. A great team player with excellent communication skills and the ability to work under pressure and relate to a wide range of people. My work ethics are embedded in leveraging my skills to find effective solutions to tasks at hand. I am passionate about location intelligence and its applicability in solving various location-based challenges in our daily lives.

EDUCATION AND PROFESSIONAL QUALIFICATIONS

2016 –2021 Jomo Kenyatta University of Agriculture and Technology

- BSc. in Geospatial Information Science => **Second class honors (upper division)**

2015-2016 Embu College

- Computer proficiency => Distinction

2012 -2015 Siakago Boys High School

- KCSE => A (81 points)

2003 -2011 Seven Forks Primary School

- K.C.P.E => **317 (B-)**

KEY SKILLS AND COMPETENCIES ACQUIRED

- **Land Surveying:** I'm competent in undertaking cadastral, topographical, engineering, and static surveys.
- **Field Data observation:** Using GNSS (both in RTK and CORS configurations), total station, theodolite, and level.
- **GIS Spatial Analysis/ Spatial Data Science:** using ArcGIS, QGIS, and Python language.
- **Remote Sensing Skills:** Data acquisition, image Pre and Post-processing, and digital image analysis in Erdas.
- **Cartographic Skills:** Mapmaking both in manual and using GIS software and web mapping.
- **Computer Programming:** I'm proficient in Python, JavaScript E6+, C++, SQL, HTML5, CSS and batch programming.
- **Database Management:** Competent in handling SQL& non-SQL databases both in spatial and non-spatial context.
- **Web Development:** Using python Django/Geodjango, React Js, Leaflet map API, Google maps API, Safaricom Daraja API and AfricasTalking SMS API.
- **Tech Savvy:** Proficient in windows and Ubuntu-Linux operating system, OS/ software installations, and data entry using Microsoft Office suite and google docs.

WORK EXPERIENCE

GIS and Remote Sensing Intern.

Geopsy Research.

5th April 2021 to Date.

Duties

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- Developing a machine learning model for food security characterization.
 - Research on urban growth
 - Web mapping and web apps development.
 - Map design on Qgis.
 - Hosted a webinar on “DEVELOPING A GIS BASED PARKING MANAGEMENT AND GUIDANCE INFORMATION SYSTEM” on 27/05/2021.

YouTube Link: <https://www.youtube.com/watch?v=BA-g4gBQ4K0&t=163s>

Surveyor and Cartographer Intern.

Ministry of Lands and Physical Planning, Survey Department, Ruaraka; 4th August 2019 to 4th October 2019.

Duties

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- Cadastral file compilation and Cadastral survey quality control/checking.
 - Preparation of subdivision scheme plans using AutoCAD
 - Data Collection using Total station and RTK.
 - GNSS – RTK and Static operation and observation.
 - Quality control of Topographic survey.
 - Vectorization of raster data by bearing and distances and direct Vectorization using coordinates
 - Cartographic map design in Arc map.
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Land Surveyor Intern.

Jomo Kenyatta University of Agriculture and Technology

5th August 2018 to 6th October 2018.

Duties

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- Topographic Surveying using a total station.
 - Control Point Network extension using theodolite and tape measure
 - Cross-section and profile leveling using a dumpy level.
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PROJECTS

- Visit my [portfolio](#) website to view projects undertaken.

CERTIFICATION

- [Programming for Geospatial Hydrological Applications](#) by UNESCO
- [Spatial Data Science: The New Frontier in Analytics](#) by Esri.
- [Technical Support Fundamentals](#) by Google.
- [Programming for Everybody \(Getting Started with Python\)](#) by the University of MICHIGAN.
- [Continuously Operating Reference Stations and RTK GNSS](#) by Measurement Systems LTD.
- TETHYS Platform by RCMRD and AQUAVEO.

VOLUNTEERISM

- Participated at Kenya Red Cross Mapathon to map buildings in Narok County to update the Open Street Map coverage for disaster management for communities at risk.
- An active mapper at Humanitarian OpenStreetMap Team (HOT).

Hobby

- Listening to podcasts/audiobook and watching movies.

REFEREES

Dr. Francis Oloo,
Founder and Director ,
Geopsy Research.
oloo frank@gmail.com
+25422173755.

Wencelaus Simiyu,
Platform Configuration Engineer,
Esri Eastern Africa,
simiyuwencelaus@gmail.com
+254702340785.

Bernard Munyao,
Land Surveyor,
Ministry of Lands and Physical Planning,
Benarm153@gmail.com
+254722243478.