

4/30/2021

## NDUNG'U EVANS KARANJA.

Land Surveyor and Geo-Information Expert.

Resume.



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



: [Evans Karanja.](#)



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# CURRICULUM VITAE

## PROFILE SUMMARY

I'm an open-minded person with great interpersonal skills. A quick learner who's eager to be challenged and improve talents. Positive, hard-working and always strive to achieve the highest standard possible at any given task. I'm also a very good team player with excellent communication skills and the ability to work under pressure and relate to a wide range of people. I am highly passionate about geospatial technology more so location intelligence and the impact it has on our modern-day society.

## 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 (GDAL/OGR, PYQGIS, and ArcGIS API for python).
- **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

### **Surveyor and Cartographer Intern.**

**Ministry of Lands and Physical Planning, Survey Department, Ruaraka; 4<sup>th</sup> August 2019 to 4<sup>th</sup> October 2019.**

#### **Duties**

- 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.
- PID's scanning using a drum scanner, Georeferencing, and map digitization in Arcmap.

### **Land Surveyor Intern.**

**Jomo Kenyatta University of Agriculture and Technology**

**5<sup>th</sup> August 2018 to 6<sup>th</sup> October 2018.**

#### **Duties**

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

## PROJECTS

- [Web - GIS parking management system.](#)
- [Learning Log App.](#)

## 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

- Watching documentaries and movies.
- Listening to podcasts and audiobooks.

## REFEREES

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