

Name : Erick Mitambo Mithamo
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Mobile Number : +254711484945
Profession : Land Surveyor
Date of Birth : 16th February 1993
Nationality : Kenyan
Email : erimithamo@gmail.com.

Key Qualifications:

I am a Bachelor of Science Geomatic Engineering and Geospatial Information Science degree holder from Dedan Kimathi University of Technology class of 2016. I have vast knowledge in both Cadastral and Engineering Surveys am also equipped with adequate knowledge in traditional and modern surveying methodologies including the use of survey software for planning and design of survey projects. I am also good at programming in both Java and Python languages, currently I am in the process of developing an algorithm that can convert coordinates from Cassini Soldner projection to UTM.

Membership in Professional Qualification

Graduate member – Institution of Surveyors of Kenya (ISK).

Certified Approved Assistant by the Land Surveyors Board (LSB) with Nancy W. Mwangi as the principal Surveyor.

Education:

Bachelor of Science Degree in Geomatic Engineering and Geospatial Information Systems – Dedan Kimathi University Technology. (Second Class Honors – Lower division).

Kenya Certificate of Secondary Education – Kirimara Boys High School (B+).

Employment Record:

July 2016 to date: Geotech Mapping Solutions (Land Surveyor)

- Topographical Surveys-data collection and processing,
- General and Fixed boundary surveys,
- Planning of subdivision schemes,
- Use of GIS in site location and Feasibility Studies,
- Cadastral file compilation and drawing of survey plans and
- Drawing and preparation of mutation forms.

Jan 2016 – June 2016: Kolmans Geomatic Consultants Kenya Limited (Assistant Land Surveyor)

- Topographical Surveys Data collection, Processing and Presentation,
- Cadastral Surveys (General and Fixed boundary surveys) and
- Planning of subdivision schemes.

March 2015 – June 2015: Ministry of Lands, Uasin-Gishu County (Attaché, Survey department)

- Cadastral Surveys (General and Fixed boundary surveys)
- Topographical survey data collection and Processing
- Planning of subdivision schemes
- Drawing and preparation of mutations

January 2014 – May 2014: Dittman Construction Company, Eldoret (Attaché, Survey department)

- Interpretation and Implementation of road designs,
- Topographical Surveys,
- Setting out of drainage systems, access and Box culverts,
- Computer Aided Design; AutoCAD,
- Leveling (obtaining and booking of ground levels) and
- Calculation of cuts and fills.

Field Related Project Experience

 Dedan Kimathi University Final Year Project

Developing an android mobile application that shows the location of vacant houses available for rent. (HOUSE HUNTER)

- Created a database that has both spatial and attribute properties of all houses that can be rented out around Nyeri,
- Used android studio to get the location of the application user,
- Used Maps API's initiate Google maps as the base map and
- Used Geo-JSON to overlay the points on Google maps.

Academic Training

- Good understanding of the use of survey equipment such as Total stations, level machines and GPS (handheld and differential GPS) in data collection and processing.
- Well versed in the use of AutoCAD software for design of engineering works and planning of land subdivision schemes.
- Well versed in the use of GIS software applications as well as their customization; ArcGIS ,Quantum GIS
- Well versed in surveying methodologies; vertical and horizontal leveling, subdivision in fixed and General Boundaries and setting out of points, curves etc.
- Knowledge in Microsoft & Linux based packages; MS-Office, Spreadsheets, Presentation, etc.
- Good understanding of Python, java, HTML and C++ programming languages
- Basic knowledge in web mapping technologies: use of Open Layers and Geo-server.

Referees

Dr. Moses Murimi Ngigi,
Institute Director,
Dedan Kimathi University of Technology,
Institute of Geomatic Engineering, Geospatial Information Science and Remote Sensing,
P.O Box 657 Nyeri -10100, Kenya,
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Mrs. Nancy Mwangi LS (K),
Principal surveyor,
GEOTECH Mapping Solutions,
P.O. BOX 9411- Nairobi -00200, Kenya,
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Mr. Stephen O. Ambani LS (K),
Principal surveyor,
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