

# CURRICULUM VITAE

## Personal Information

**Name:** Wanjau Joe Wagura  
**Date of birth:** 31.05.1991  
**Nationality:** Kenyan  
**National ID no.:** 29332898  
**Sex:** Male  
**Marital status:** Single  
**Languages spoken:** English, Swahili  
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## Career Objective

Putting into practice the knowledge so far acquired in my Geomatic engineering and studies related to geospatial data acquisition ,management and analysis to solve real world problems in a professional environment.

## Education

### 1. B.Sc. Geomatic Engineering and Geospatial Information Systems

Dedan Kimathi University of Technology (2011-2015)

- Modules include:
  - Cadastral Survey
  - Land Information system
  - Geodesy
  - Digital Image Analysis
  - Web Mapping
  - Engineering Survey
  - Transport Planning
  - Urban and Regional planning
  - Remote Sensing
  - Cartography
  - Geospatial Information System

### 2. Kenya Certificate of Secondary Education

Njiiri Boys Secondary School

Grade A-

### **3. Kenya Certificate of Primary Education**

River Road Primary School

391/500 Marks

## **RELEVANT WORK EXPERIENCE**

**January 2015-**

**GEO-ELLIPSE CO. LTD as A Surveying, Engineering G.I.S and Environmental Consultant working along P.Kiarie (Registered Surveyor & Approved assistant)**

Among the services range from Land planning to Engineering designs

- i. Land planning and management.

Involved in various projects for land planning for settlement

- ii. Water line surveys

Survey for design of water lines and other related projects

- iii. Route survey for roads design

Survey for design of roads and bridges

## **OTHER WORKING EXPERIENCE**

**January 2014 -2015**

### **P.KIARIE REGISTERED SURVEYORS**

An Assistant surveyor conducting mutation, cadastral and topographic surveys, involving planning, field works and processing.

### **Career Related Project Experience**

1. Dedan Kimathi University Final Year Project

***Use of GIS in the implementation of the Alcoholic Drink Control Act of 2010***

Study of Karatina municipality

A mobile system that shows the alcoholic dens and their approximation to the nearby academic institutions and the shortest linear network to the nearby police stations.

## **Qualification and training**

- i. Well versed with GIS software application as well as customization of the soft wares; Arc GIS, quantum GIS, map window etc. as trained during internal attachment (DeKUT) and external attachment (SOK).
- ii. Well versed with remote sensing and photogrammetry software application: Erdas, LPS
- iii. Well versed in Microsoft and Linux based packages; MS-office, spreadsheets, presentation etc.
- iv. Well versed in surveying methodologies; vertical and horizontal control, tachometry, curve setting, cadastral survey and triangulation.
- v. Basic knowledge in geodesy, microwave remote sensing and GIS programming.
- vi. Well versed with SPSS and stastical analysis

## **Internship Experience**

Ministry of Lands (Nyeri)

Department of Survey

- Surveyed land both cadastral and general boundaries in Nyeri County
- Analyzed and designed survey data using Auto CAD
- Used GIS and Facilities Database (FDB) to analyze the management and distribution of survey data.

## **Academic Training**

- Well versed in GIS software applications as well as their customization; ArcGIS, Quantum GIS, AUTOCARD.
- Well versed in Remote Sensing software applications (Erdas Imagine)
- Well versed in surveying methodologies; vertical and horizontal leveling, tacheometry, curve setting, Cadastral and mutations
- Knowledge in Microsoft & Linux based packages; MS-Office, Spreadsheets, Presentation, etc.
- Basic knowledge in web mapping technologies: use of Open Layers and Geoserver.
- Basic knowledge in photogrammetric methodologies
- Basic Knowledge in Microwave Remote Sensing systems and radar imagery analysis.

## **Activities and Leadership**

2014: Vice secretary, Catholic Action\_Dedan Kimathi University of Technology

2013: Secretary, DeKUT rugby team

2011: Assistant salesman Liberty Bookshop, Othaya  
2010: The Captain Njiiri Secondary rugby team  
2009: House captain Njiiri High School

### **Other Interests**

Technical writing  
Reading novels and motivational books.

### **Referees**

#### **Dr. Moses Murimi Ngigi**

Institute Director  
Dedan Kimathi University of Technology  
Institute of Geomatic Engineering, Geospatial Information Science and Remote sensing  
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#### **Dr. Kenneth Mubea**

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#### **Patrick Ndungu Kiarie**

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