

**AGGREY WELIME SIMIYU**

## **CURRICULUM VITAE**

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## **PROFILE**

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- ❖ Ability to maintain confidentiality, integrity and a high code of conduct
- ❖ Able to work under pressure to meet strict deadlines
- ❖ Excellent analytical, presentation and design skills
- ❖ Effective communication and interpersonal skills
- ❖ Peoples' person, team player and bridge builder
- ❖ Willingness to learn continuously

## **CAREER OBJECTIVES**

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To serve selflessly in my place of employment so as to attain excellence in my field of work achieving credibility, integrity and competence in my working. To build my skills and experience which will enable me contribute positively in a competitive working environment.

## **PERSONAL INFORMATION**

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**GENDER:** Male

**LANGUAGES:** English, Kiswahili, and Luhya

**NATIONALITY:** Kenyan

**DATE OF BIRTH:** 2<sup>ND</sup>, February, 1991

**RELIGION:** Christianity

**ID NO:** 28534779

## **EDUCATION QUALIFICATION**

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**SEPT 2011-MAY 2016:** Bachelor of Engineering in Geospatial Engineering

Technical University of Kenya

**SEPT 2010 – JAN. 2011:** Certificate in Computer Packaging

Kitale Communication Centre

**Where I attained a distinction**

**2005 – 2009:** Kenya Certificate of Secondary Education

Chebosi Boys High School

**Where I attained B+ (PLUS)**

**1995 – 2004:** Kenya Certificate of Primary Education

Lutaso Primary School

**Where I attained 345 marks**

## **PROFESSIONAL EXPERIENCE**

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### **A. POWERHIVE EAST AFRICA AS A GIS SPECIALIST**

**JAN. 2017 - UPTO NOW**

*Among my duties were;*

- a. Design feasibility tests using SWARM analysis
- b. GIS design of power distribution lines and transmission lines using Google Earth pro software and QGIS.
- c. New Market identification, analysis for Micro grid business development in the new Markets internationally.

- d. Construction of overhead lines of electricity.

## **B. POWERHIVE EAST AFRICA AS A GIS DATA ACQUISITION AGENT INTERN**

***SEPT. 2016 – DEC 2016***

*Among my duties were;*

- a. Design of solar micro grid networks for off grid communities
- b. Solar generation site setting out and location of shared cluster meter through hand held GNSS (Satellite Navigation) receivers.
- c. Digitizing of spatial records (Using QGIS) for the purpose of creation of a GIS database for potential off grid sites.
- d. Viable site Identification and Household feature extraction across African using Google satellite images and QGIS
- e. Design of King and Knights clusters and distribution lines for power supply to customers.

## **C. KENYA URBAN ROADS AUTHORITY (KURA) AS AN ASSISTANT SURVEYOR**

**APRIL 2016 - AUGUST 2016**

*Among the duties assigned to me included;*

- a. Carrying out topographical surveying using total station TC 1201, TS 11, south and Topcon ES 105 series.
- b. Staking out of roads using total station TC 1201, TS 11, south and Topcon ES 105 series. Taking levels using dumpy level and calculations of reduced levels and volumes from the existing ground levels.

- c. Using civil 3D, AutoCAD and ArcGIS in plotting of topographical data and design.
- d. Establishing of land boundaries through placing of beacons of lands along the proposed roads.
- e. Calculation of volumes of earthwork on the proposed roads.
- f. Using of photogrammetric technique in data acquisition and collection.

### **C. FIELD TRIP TO NAIROBI UNIVERSITY SURVEY CAMP, KIBWEZI FIELD STATION**

**JUNE 2015 – JULY 2015**

*At the camp I did;*

- a. Extension of control station using theodolite, total station and the RTK GPS system through triangulation, traversing and leveling.
- b. Carrying out topographical surveying to represent camp compound.
- c. Carrying out a 5km profiling along Kibwezi – Kitui road
- d. Carrying out of curve setting out.
- e. Carried out cadastral surveying in the camp farm

### **ACHIEVEMENTS**

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- ❖ Completion of Denis Pritt road between the Woodlands round about and the Jakaya Kikwete road junction where I was the assistant surveyor to the required design standards while working at Kenya Urban Roads Authority.
- ❖ Designing of a number of off grid sites at Powerhive East Africa that have been established and running in Kisii region.

### **SKILLS**

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- Leadership skills
- Good communication skills

- Computer literate
- Good skills in the use of AUTOCAD CIVIL 3D, AUTOCAD, ARCGIS, ARCHCAD, ARCVIEW, QGIS, MS EXCEL and MS WORD.
- Knowledge of using MATLAB, C and C++ programming languages

## **MEMBERSHIP**

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*Member of the institute of survey of Kenya (ISK)*

## **STRENGTHS**

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- ✓ Team player
- ✓ Patient
- ✓ Strong drive towards objective
- ✓ High integrity

## **INTERESTS AND ACTIVITIES**

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- Learning of new ideas
- Travelling
- Reading
- Making friends
- Community service activities

## **REFEREES**

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**1. Mr. Simon Wandanda, GIS**  
COORDINATOR,  
POWERHIVE EAST AFRICA  
**Tel: 0715533111**

**2. Eng. Barasa,**  
RESIDENT ENGINEER,  
KENYA URBAN ROADS AUTHORITY  
**Tel: 0721866724**

**3. Dr. Wayumba**  
DIRECTOR THE DEPARTMENT OF GEOSPATIAL SCIENCES AND  
TECHNOLOGY,  
TECHNICAL UNIVERSITY OF KENYA,  
**Tel: 0722775168**