

# **CURRICULUM VITAE**

## **PERSONAL DETAILS:**

**NAME:** FAITH MUENI MUSILI

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**NATIONALITY:** Kenyan.

**MARITAL STATUS:** Single

**SEX:** Female

**LANGUAGES:** English and Kiswahili

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**DATE OF BIRTH:** 9<sup>th</sup> December 1993

**ID NUMBER:** 30041965

**PASSPORT NUMBER:** A2565390

**EDUCATION BACKGROUND:**

SEPT 2011 - DEC 2015	<b>DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY</b> B.Sc. Geomatics engineering and geospatial information systems Second class (upper division)
FEB 2011- APRIL 2011	<b>DON BOSCO COMPUTER COLLEGE</b> Computer packages PASS
JAN 2007- NOV 2010	<b>MBOONI GIRLS' SECONDARY SCHOOL</b> Kenya Certificate of Secondary Education A-(76 POINTS)
JAN 1997- NOV 2006	<b>NYS PRIMARY SCHOOL, KITHIMANI</b> Kenya Certificate of Primary Education B+ (357 MARKS)

## **WORK EXPERIENCE**

1<sup>ST</sup> AUGUST 2017 – PRESENT

### **WORLD AGROFORESTRY CENTRE**

*Title:* Junior Data Scientist and Platform Developer

*Scope:*

Data Science: Conduct data analysis and extract insights from data, presenting these to stakeholders through data driven tools.

*Duties and responsibilities:*

1. Data management and analysis using R, including data cleaning and exploratory analysis.
2. Software development, primarily based on R and Shiny web programming for analysis and visualization of data and analytical outputs.
3. Spatial data analysis as part of the Geoscience Lab team, including contributions to the upload and maintenance of spatial data on the ICRAF Landscape Portal.
4. Capacity building of ICRAF staff in the use of R for spatial data management and analysis.
5. Conduct training and stakeholder engagement workshops as part of SHARED.
6. Develop documentation for interactive online data-science tools, including user manuals.

*Skills and competencies:*

- Advanced R programming skills for maintenance and manipulation of GIS data.
- Experience with R Shiny web programming
- Experience with the development and application of relational spatial database systems.
- Good communication skills and a proven track-record in terms of stakeholder engagement processes.

28<sup>th</sup> MARCH 2016 – 31<sup>st</sup> JULY 2017

**WORLD AGROFORESTRY CENTRE**

Title: G.I.S Assistant

Roles and responsibilities:

Spatial and non- spatial data analysis using R or excel.

Creating of maps.

Automation of tasks by use of R programming language

Community based resource mapping.

Programming of Resilience dashboards using R and Shiny.

Data collection during fieldwork.

4<sup>TH</sup> JANUARY 2016 – 27<sup>th</sup> MARCH 2016

**GEOSURV SYSTEMS LTD**

Title: Assistant Land Surveyor

Roles and responsibilities:

Carrying out of land survey fieldwork

Physical planning

Compilation of cadastral files

Topographic survey

17<sup>TH</sup> NOVEMBER-3<sup>RD</sup> DECEMBER 2015

**INTERNATIONAL CROP RESEARCH IN SEMI ARID TROPICS (ICRISAT)**

Title: Enumerator

Roles and responsibilities:

Conducting follow up research on the *Policies, Institutions and Markets (PIM)*” project.

4<sup>TH</sup> MARCH-31<sup>ST</sup> JUNE 2015

**WORLD AGROFORESTRY CENTRE (ICRAF)**

Title: G.I.S intern

Roles and responsibilities:

Data mining, cleaning, management and analysis for the SHARED Turkana dashboard project using R programming language among others.

1<sup>ST</sup> -31<sup>ST</sup> MARCH 2015

**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY (NEMA)**

Title: G.I.S intern

Roles and responsibilities:

Noise and resources mapping

NOVEMBER 2014 - JANUARY 2015

**WORLD AGROFORESTRY CENTRE (ICRAF)**

Title: G.I.S intern

Roles and responsibilities:

Georeferencing of images using Qgis

Data and metadata entry into the landscape portal

Automating minor tasks using python.

JANUARY - MAY 2014

**GEOSURV SYSTEMS LTD**

Title: Land surveying intern

Roles and responsibilities:

Carrying out Land surveying fieldworks

Physical planning

GIS analysis

## **CAREER OBJECTIVES:**

- To be able to solve the emerging issues in our environment for sustainable development through remote sensing and Gis technology.
- To demonstrate organizational ability and creativity by contributing to solutions that adds value to our surrounding.
- To equip myself and use managerial, technical and leadership skills acquired to improve on research with special interest in less developed countries.
- To help in visualization of the different factors that form part of major problems for good decision-making.

## **PERSONAL ATTRIBUTES:**

I am social and interact well with people of different culture, race and religious beliefs. Am creative, smart and fast learner who does well in hardship and non -hardship areas with minimal or no supervision. I am a team player and recognize other people's weaknesses and capabilities alongside helping them deliver their best and appreciate what they are doing.

## **INTERESTS AND HOBBIES**

- Research
- Travelling
- Journal writing
- Camping

**REFEREES;**

PROF. CHARLES N. MUNDIA,  
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INSTITUTE OF GEOMATICS, GIS AND REMOTE SENSING,  
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