

Rebecca Njoki Kamunya

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EDUCATION

Jomo Kenyatta University of Agriculture and Technology **Main Campus**
B.Sc. in Geospatial Information Science 2020 - 2024

Attained Second Class Honors

- **Dissertation:** Site Selection Prediction for Supermarkets Based on Multi-Source Spatial Data Using Machine Learning Techniques.

eMobilis Mobile Technology Training Institute **Nairobi**
Certificate in Web Development 2024 - present

Completed Bootcamp and awaiting certification.

- Designed a web application called **IDFinder** that allows Kenyans to register, report a lost ID and request for its retrieval using Python, Bootstrap and Django.

Moi Girls Isinya Secondary School **Kajiado**
Kenya Certificate of Secondary Education (K.C.S.E) 2016 - 2019

Scored a **B+** and attained the following grades:

- Mathematics: B+
- English: B+
- Kiswahili: B+
- Biology: B-
- Chemistry: C+
- Physics: B-
- Geography: A-
- C.R.E: B+

Kajiado Hills Academy **Kajiado**
Kenya Certificate of Primary Education (K.C.P.E) 2004 - 2015

Scored 383 marks and attained the following grades:

- Mathematics: B+
- English: A
- Kiswahili: A-
- Social Studies & C.R.E: A-
- Science: B+

WORK EXPERIENCE

Survey of Kenya **Ruaraka**
GIS Student Attaché May 2023 – August 2023

- Performed Cassini-UTM Coordinate Transformation on 50+ datasets, enhancing precise mapping for land management projects.
- Conducted Quality Control for Survey jobs, reviewed over 10 field notes and ensured consistency in spatial data.
- Plotted and manipulated spatial data using AutoCAD for over 10 projects, streamlining geospatial data analysis.
- Georeferenced and digitized 30+ features using ArcGIS, improving mapping accuracy by 15%.
- Collected spatial data using Total Station, handheld GPS and GNSS, enhancing data collection efficiency by 25%.

Jomo Kenyatta University of Agriculture and Technology **Juja**
GIS Student Attaché May 2022 – June 2022

- Worked with data collection tools such as SW maps to map eateries around JKUAT Campus.
- Executed data cleaning, validation and transformation using ArcGIS.

- Conducted 3D construction of over 15 images, enhancing visual analysis for geospatial projects.
- Developed flight plans using Litchi, DJIFlightPlanner and AutoCAD, improving data collection efficiency.
- Classified images using ERDAS & SNAP to analyse landcover, simplifying features and their attributes.
- Utilized GIS programming languages to automate repetitive tasks, boosting workflow productivity by 15%.
- Gained proficiency in Google Earth Engine (GEE) perfecting satellite data analysis.

LEADERSHIP EXPERIENCE

Moi Girls Isinya Secondary School

Kajiado

C.U Librarian

September 2017 – May 2018

- Managed and organized a collection of over 100 books, improving the cataloguing process by 15%
- Curated and recommended books and media, increasing member engagement by 10%.
- Provided reference services to assist over 150 students with specific inquiries, and successfully located materials for 95% of requests.

Geography Ambassador

February 2016 – November 2019

- Served as a spokesperson for Geography during meetings with parents and teachers.
- Offered support and provided help and subject resources when needed.
- Tutored younger students in the subject.

ACHIEVEMENTS

- Completed the introductory training in Disaster Assessment Using Synthetic Aperture Radar and got certified by NASA.
- Completed the Kairos Course and got certified by Mission Campaign Network.
- Participated in the Bible Translation and Literacy 5km Walk held on 16th March 2024.
- Holder of a valid driver's license.

PROFESSIONAL BODIES

Student Member of Institution of Surveyors of Kenya (ISK)

SKILLS AND INTERESTS

Skills: ArcGIS; AutoCAD; ERDAS Imagine; GEE; R; Microsoft Office (Word, Excel, PowerPoint); HTML; CSS; Python; SQL; Django; Bootstrap; Canva

Interests: Content creation, volunteering, customer care, playing a guitar, singing, basketball.

REFEREES

Dr. Charles O. Gaya, Ph.D.

Director: Directorate of performance

Contracting and Appraisal (DIPCA)

Lecturer: Department of Geomatic

Engineering and Geospatial Information

Systems (GEGIS)

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Rev. DR. John Karihe

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The Principal

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