



## BRILLIANT MWENDWA

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### SUMMARY

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I am a holistic individual with commendable research skills, leadership skills and academic strengths. A critical thinker & a team player, who leads by example. I have notable skills in geology, data collection, fieldwork, mapping, sedimentology, geoarchaeology, report writing, research, and a basic understanding of accounts. I am keen to pursue a career in geology especially studying earth's dynamic system, exploration, research & human history and aspire to be an earth scientist with the aim to understand Kenya's Geological history and its intrinsic connection to humanity.

### VOLUNTEERING AND WORK EXPERIENCE

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#### July 2024 - August 2024

##### Geoarchaeologist Intern - West Turkana Archaeological Project (WTAP)

- Mapped the distribution of different sedimentary layers of the Nachukui formation & collected sediment & ash bed samples.
- Analyzed lake sediments from the Nachukui Formation using tephrochronology (use of volcanic beds) & paleomagnetism to refine the Plio-Pleistocene hominin timeline and predict archaeological site locations.
- Assisted in the collection of molluscs and ostracods from past lake sediments for the Plio-Pleistocene era for paleoenvironmental reconstruction.
- Drew detailed sedimentary logs of the Nachukui Formation lake sediments, documenting the stratigraphy of its members (e.g., Lonyumun, Kataboi, Lomekwi, Lokalalei etc...)

#### 9 June 2024 - 24 June 2024

##### Field Assistant - Trans-Evol Project, South Turkana

- Participated in stratigraphic analysis of sediment layers to assess site formation processes.
- Assisted in the excavation of hominin artifacts, contributing to ongoing research on early human evolution.
- Conducted in-field processing of geological samples for understanding the sources of raw materials used and paleoenvironmental conditions.

#### October 2023 - June 2024

##### Geologist Volunteer - National Museums of Kenya (Geology Section)

- Identification of rock lithologies, labelling & accession of rock samples
- Assist in identification of rock materials used connection to archaeology and paleontology

#### January 2024 - March 2024

##### Administration Intern - Geological Society of Kenya

- Typing professional documents, recording & forwarding emails received, answer calls.
- Collect, sort, deliver and allocate mails, stock inventory.
- Preparation and successful completion of the " the annual Geo – East Africa Conference and Expo (GEOACE) 2024."

## November 2023 - December 2023

### Geology Intern - Rural Focus Limited; Location: Turkana

- Assisted in geological investigations, hydro-geological and geophysical studies in selected study areas in Turkana County, for possible deep-water boreholes for the pastoralist community of Turkana for UNESCO.
- Conducted geophysical explorations i.e.; Vertical Electrical Sounding (VES), Electrical Resistivity Tomography (ERT) & Audio Magneto Telluric (AMT), ensuring accuracy of potential groundwater sites.

## EDUCATION

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### September 2018 - September 2022

#### Bachelor's Degree in Geology - The University of Nairobi

- Second Class Honours (Upper Division) B.Sc. in Geology
- Report Writing, Geological mapping, Lithology, Mineralogy, Petrology, GIS, Geophysics.

### January 2014 - November 2017

#### KCSE - Machakos Girls' High School

- Grade: B

## ADDITIONAL INFORMATION

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- **Technical Skills:** Geological Mapping, Fieldwork excursion, Identification of rock lithologies and structures, Data analysis, Research, Literature Reviews, ArcGIS, Google Earth, Microsoft Office.
- **Languages:** English, Swahili.
- **Affiliations:** Graduate member no: 1459, Geological Society of Kenya
- **Certifications:** ESRI Training in Cartography.
- **Awards/Activities:** Actively participated in the "GEOEACE 2024", the "IGCP 732 Nairobi Anthropocene 2022" and Cave research Workshop Nairobi 2024.
- **Hobbies/Interests:** Photography (nature, rock structures, landscapes), rock collecting, reading, hiking, swimming, camping and travelling, community service.

## REFEREES

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