

IVIWE WALAZA

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PERSONAL INFORMATION

- Gender: Female
- Nationality: South African
- Criminal record: None

EDUCATION

- BA (Hons) in Geography, University of Johannesburg (Jan 2022 – Dec 2022)
Majored in: Geo-Informatics (GIS and Remote Sensing) and Strategic Environmental Planning
- BA (Geography and Public Administration), Nelson Mandela University (2019 – 2021)
Majored in: Geography (including GIS and Remote Sensing) and Geomorphology, Climatology, Environmental management, Urban geography and economic geography.

RESEARCH AND ACADEMIC REPORT (GIS AND REMOTE SENSING)

I successfully used ArcGIS Pro to complete a Geography honours research project:

- Title: Air quality monitoring using Remote Sensing in Mpumalanga Province, South Africa, from 2011 to 2020

I successfully used ArcGIS Pro to complete a GIS mini-research project:

- Title: Use of GIS for land suitability analysis for maize planting in Vhembe District in Limpopo Province

I successfully used ArcGIS Pro to complete a Remote Sensing mini-research project:

- Title: The assessment of Land cover/use changes at Great Giyani Local Municipality between 1990 to 2022 using Landsat imagery.

KEY SKILLS (GIS AND REMOTE SENSING)

- Spatial data collection and capturing
- Suitability mapping
- Digitizing
- Georeferencing
- Utilization of buffer, split, merge and ect
- Spatial data cleansing and manipulation
- Map production and generation
- Spatial analysis and statistics
- Image processing and analysis
- Land cover classification
- Correction of topographical errors
- Use of geoprocessing functions such as spatial and attribute joins

- LiDAR
- RADAR
- Hyperspectral remote sensing
- Multispectral remote sensing

Competencies

- Self motivated
- Self starter
- Good time management
- Proactive
- Results driven
- Good communication skills
- Analytical

OTHER TECHNICAL SKILLS

- Microsoft office proficiency (Word, Excel, PowerPoint and Outlook)
- ArcGIS PRO
- ArcMap
- Google Earth
- GPS devices
- QGIS

TEAMWORK

- A range of university projects such as paired lab and field work, as well as group written assignments and presentations have helped me develop teamwork skills: I am able to work efficiently as part of a culturally and academically diverse team by being able to listen to what others have to contribute. I can build trust and bond with new people and effectively collaborate.

WORK EXPERIENCE

- Assistant GIS Analyst (Jan 2023 – Mar 2023)
SiQ (Spatial Intelligence) contract

Duties:

- Digitizing crop field boundaries in Western Cape Province using ArcMap (Western Cape Agricultural Census).
- Data Analysis
- Analysis of aerial photograph
- Digitizing from aerial photograph and satellite imagery

- Cartography practical demonstrator (Feb 2022 – November 2022)
Department of Geography, Environmental Management, and Energy
Studies. University of Johannesburg

Duties:

- Assist first year students with their cartography practical's - Mark their practical scripts and capture the marks.

- Metro Rez House Committee Member (Apr 2021 – November 2021) Nelson Mandela
University

Duties:

- Encourage high academic performance and assist in creation of an environment where learning can be promoted.

- Assist in coordination of the various peer helping and mentoring programs in the residence.

REFERENCES

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- *Prof Solomon Tesfamichael, University of Johannesburg*
011 559 3927
 - **Mulalo Rabumbulu, University of Johannesburg**
011 559 3302