

MAGAU ZWIVHUYA RODNEY

7248 Ngong Hills, Clayville, Midrand • 0647069460/0789771907 •
Ztakalani@gmail.com

Junior Surveyor Technician

PROFESSIONAL SUMMARY

My educational journey extends to a National Diploma in Surveying from Tshwane University of Technology, where I honed my skills in planning, monitoring, and implementing workflows to tackle complex analytical and geospatial challenges. With an undergraduate background in geomatics and project management, I bring a versatile skill set to the table. Adeptly complementing my academic journey, my volunteering experience has nurtured a profound understanding of the broader responsibilities that define a true professional.

CORE COMPETENCIES AND SKILLS

- GIS (ArcGIS Pro, QGIS, ENVI)
- Surveying (AutoCAD, Model Maker Systems, GPS, Total Station)
- Data Sourcing
- Trimble
- Programming (Python, SQL)
- MS Office
- Geographical Projections and conversions
- South African Cadastral System (LO/WG)
- Data Capturing
- Database Management
- Spatial Mapping
- Data Integrity

EDUCATION

- National Diploma in Surveying, Tshwane University of Technology, 2022.
- Matric Certificate (NSC), Muvhavha High School, 2013.

EXPERIENCE

Balepi Land Surveyors

04/2024 – Present

Junior Survey Technician

- Responsible for assisting in field surveys to measure and map land. This includes taking measurements of distances and angles on a property or section of land to establish legal boundaries.
- Utilize specialized equipment such as total stations, GPS devices, and levels to collect accurate data regarding land features and boundaries.
- preparation of maps, sketches, and charts based on the collected data, ensuring that all information is represented accurately.
- Engineering surveys such as mapping of area, setting out of roads works and earthworks, control surveys on existing construction projects and detailed surveys of existing infrastructure.

G2 Surveys and Mapping

01/2024 – 04/2024

Junior Survey Technician

Key performance areas:

- Land surveys such as property and servitude registration, setting out boundaries, Subdivision of properties, Sectional title, As-Built, Cadastral surveys and Topographical surveys.
- Engineering surveys such as mapping of area, setting out of roads works and earthworks, control surveys on existing construction projects and detailed surveys of existing infrastructure.
- Mine surveys, scanning of stockpiles and quarries for quantity calculations, DMR plan updates and daily survey services.

Freelancer Geomatics

04/2023 – 12/2023

Assistant surveyor

Key performance areas:

- Perform GIS operations on a variety of system applications.
- Capture edit and maintain datasets in a versioned Geo-database.
- Design, plan and perform surveys to solve practical survey problems.
- Conducting control surveys, topographic surveys, and site engineering surveys
- Preparing monthly monitoring reports, engineering surveys, technical reports, and map production.
- Prepare and produce spatial reports and maps on request.
- Cartography; The drawing of maps using ArcGIS Pro, QGIS, Model Maker Systems, and AutoCAD
- Provide a Technical Support Service by conducting research to keep abreast on the latest GIS trends and technology and contribute to the formulation for the divisions' performance targets.

Chief Directorate: National Geo – Spatial Information

01/2022 – 12/2022

Geomatics Engineering Technician Trainee

Key performance areas:

- Perform GIS operations on a variety of system applications.
- Capture edit and maintain datasets in a versioned Geo-database.
- Design, plan and perform surveys to solve practical survey problems.
- Conducting control surveys, topographic surveys, and site engineering surveys
- Preparing monthly monitoring reports, engineering surveys, technical reports, and map production.
- Prepare and produce spatial reports and maps on request.
- Cartography; The drawing of maps using ArcGIS Pro, QGIS, Model Maker Systems, and AutoCAD
- Assisting clients with levelling for projects in Phillipi, Cape Town
- Manage projects on the application of new and existing survey technologies.

REFERENCES

1. Flip Jooste
Director
Balepi Land Surveyors
082 457 3481
2. Dr TJ Magidi
Senior Lecturer
Tshwane University of
Technology.
073 300 5658
3. Mr F Hantibi
Control Survey Technician
Department of Agriculture, Land Reform, and Rural Development
021 658 4317
4. Mr T Nkwana
Survey Technician
Freelancer Geomatics

076 822 5563
5. Mr Henk
Director
G2 Surveys and Mapping

060 849 3279