

Nchoolwe P Sinampande

GIS and Remote Sensing Technician

Phone: +263775928950 | Email: nchoolwesinampande@gmail.com |

SUMMARY

GIS Technician seeking an Assistant Geographic Information (GIS) Officer position at Municipal Demarcation Board, that utilizes my vast experience in geospatial technology, scientific and business development projects in a collaborative, progressive and professionally enriching environment. Strong technical writing, communication, and management skills. Certifiable record of successfully completing projects through individual thinking and collaboration.

CORE COMPETENCIES

PostgreSQL and PostGIS databases, Python programming for GIS, VBA ArcGIS Database, Data processing, Communication skills, Reporting skills. Documentation skills, Equipment maintenance, Problem solving per specification

PROFESSIONAL EXPERIENCE

GIS and Remote Sensing technician

Chinhoyi University of Technology - Sep 2019 – Present

Key Deliverables:

- Read and interpret maps, manipulate and understand digital land data, and manage data entered into a GIS database such as PostGIS, PostgreSQL and Native SQL.
- Making of maps and customized geographic information systems (GIS) applications and manipulate data to serve a variety of purposes not limited to land cover/land use change detection, disaster and risk assessment and infrastructure development using cartographic skills.
- Designing practicals for students from basic to advanced GIS and Remote Sensing to familiarize and expose them to cutting edge geospatial technology such as python for ArcGIS and QGIS, R Statistics and SPSS for data analysis.

GIS Consultant

Chinhoyi Municipality - Jan 2020 – Feb 2020

Key Deliverables:

- Designed an ArcGIS geodatabases for Chinhoyi Municipality that gave the Municipality capabilities of organizing, creating, manipulating, entering and retrieving GIS data for reporting, analysis, presentation purposes and publishing.
- Created a live Web Map that shows the Municipality projects for the City and some datasets had download options. This provided various stakeholders and other customers access to spatial data and transaction processing.
- Conducted a GIS training for capacity building to support Chinhoyi local board members without GIS capacity to improve administration.
- Identifying and fixing inconsistencies in spatial data. This mainly involved converting the coordinate reference system to the match the locally recommended projected coordinates.
- The Municipality had AutoCAD datasets that needed to be converted into GIS supported formats thus converting and formatting spatial data.
- Spatial joins to link household field data with digitized general plans polygons to implement spatial analysis and help the municipality make informed decisions.

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Assistant Data Analyst and Enumerator

World Vision Organisation- Aug 2018 – Sep 2020

Key Deliverables:

- Designing of the Open data Kit (ODK) Mobile Data collection form for the Baseline survey for End course immunization.
- Entering tabular data in SPSS and creating CSV files for data analysis.
- Assisting in report writing.

EDUCATION

August 2015 – September 2019

University of Zimbabwe, Harare Bachelor of Science Geography Honours Degree in Human Environment

INTERNSHIP

Environmental Science and Geo-informatics intern

Scientific and Industrial Research and Development Centre

August 2017 – June 2018

Key Deliverables:

- Digitizing cadaster maps
- Designing mobile data collection forms
- Creation of Geodatabase and designing custom geo-webservers for City Councils
- Data collection using GPS
- Participating in Environmental impact assessment projects
- Processing Remote sensed images
- Facilitating GIS and Remote Sensing training

REFERENCES

- 1) Dr P.Tagwireyi from University of Zimbabwe
tagwireyip@gmail.com
+263783383690
- 2) Prof. P. Taru from Chinhoyi University of Technology
philiptaru@yahoo.ie
+263777 401 738