

Nchoolwe Progress Sinampande - CV

GIS and Remote Sensing Specialist

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CAREER SUMMARY

I am a competent Monitoring and Evaluation personnel, Geographical Information Systems, Database design and Web Design specialist in human-environment with three years' experience working as a GIS and Remote Sensing Technician at the Chinhoyi University of Technology, humanitarian aid with World Vision, UNDP GEF SGP, Ntengwe for Community Development, Ministry of Energy and Power Development, ZIMPARKS, Ruwa City Council and the Scientific of Industrial Research and Development Centre as a GIS and Remote Sensing intern.

SKILLS AND STRENGTHS

- Multitasking and also works with minimum supervision and meets deadlines.
 - **Mobile Data Collection for Monitoring and Evaluation** - successfully designed monitoring and evaluation for mobile data collection and analysis and integrated with online and localhost aggregate servers for several organizations including EMA Zimbabwe
LINK: <http://nri.ema.co.zw/ODKAggregate>
 - **Data Analysis and Problem-solving** - flexible with data analysis using software packages such as SPSS and dynamic reporting using Excel, Access, Microsoft Power BI and Google Data Studio. Please check my Covid-19 Dynamic Dashboard. I created this to spread awareness and display this disease statistics across the globe. Click on this Link: https://datastudio.google.com/s/q_57orxGlnM
 - **Good communication and facilitation skills** - Successfully conducted Monitoring and Evaluation training as a Consultant at Ntengwe Organization and presented to students as a GIS Technician during practicals at the Chinhoyi University of Technology.
 - **Web Designing** - Certified in PHP and HTML programming. Please check my GIS Freelancer Portfolio and GITHUB account on this link: <https://nchoolwe.github.io/snapsmicrosystems/>
 - **Database development** - Certified in SQL Database and PHP with 1-year experience in Management Information Systems (MIS).
 - **Driving License** - Clean Class Four (4).
 - **Languages** - Tonga, English, Ndebele and Shona.
 - **Visual Editing Skills** - <https://www.youtube.com/channel/UC5ilWLMrzAV9gQ4EsWkMeYQ>
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PROFESSIONAL ACCOMPLISHMENTS

- I created a database for Ntengwe Community Development and trained the officials on designing monitoring and evaluation tools for mobile data collection. This eradicated use of paper data collection and improved data management by 80% within the Organisation.
 - I trained stakeholders from different Organizations at the Chinhoyi University of Technology on Implementing a proper Monitoring and Evaluation Plan. The training curriculum covered designing a M&E Plan document that includes an Introduction document, Logical Framework, SMART indicators, Data Flow Map, Roles and Responsibilities Chart, Plan for Data Quality and Management and Plans for Data Analyses and use. The officials were then awarded Certificates of Participation by the University
 - I was a research assistant to Dr P Tagwireyi's consultancy work on Monitoring and Evaluation of the Ministry of Health and Child Care, Zimbabwe's Mass Drug Administration (MDA) of 2017 that was conducted in Centenary, Gokwe South, Makonde and Murewa districts under World Vision Organisation. My core duties were preparing digital maps, preparing mobile data collection tools, and geospatial data analysis to discover patterns and trends and generate spatial maps that show hotspots or disease occurrence.
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WORK HISTORY

Company: ZUBO TRUST Organization

Job Title: Monitoring and Evaluation Officer
(April - 2021) – (Current)

Key Deliverables:

- Procurement of new GIS and Remote Sensing Lab Equipment
- Develop the project M&E framework.
- Regularly updates the M&E activity plan.
- Develops project database and supports data inputs and administration.
- Supports in the baseline, midline and end line evaluation.
- Sets data quality control measures for enumerators and PFAs during registration and ongoing data collection.
- Builds the capacity of other staff members to adequately meet the branding and communication needs for the project.
- Ensures proper documentation and mapping of data collected and performance reports, market surveys, FGD and community meetings.
- Monitors and supports data entry by PFAs and enumerators for accuracy.
- Conducts data filing and archiving as per project requirements.
- Consolidates, processes and assesses data at district level for further analysis.
- Updates targets, outlines detailed definition of indicators, methods, frequency of data collection and analysis methods.
- Produces, maps, compiles and aggregates qualitative data and documents such as lessons.
- Assists in the maintaining of the ZUBO website and social media platforms by keeping them up to date, attractive and informative.
- To create SMTP for organization EMAILS

Company: Chinhoyi University

Job Title: GIS and Remote Sensing Specialist

(September/2019) – (December – 2020) Fixed Term Contract Ended

Key Deliverables:

- Responsible for the GIS and Remote Sensing Laboratory that had 36 Core i5 GIS Computers, GPS Devices and the Main Server that had to troubleshoot and update every week.
- Successfully conducted GIS and Remote Sensing Practicals for all GIS students from three (3) different faculties, namely; Wildlife (BSc and MSc), Environmental Science (BSc) and Agricultural Engineering (BSc)
- Generated Reports and Standard Operation Procedures (SOPs) for the GIS Lab
- Procurement of new GIS and Remote Sensing Lab Equipment

Company: Ntengwe for Community Development

Job Title: Consultant (Binga)

(February 2019) – (March – 2019)

Key Deliverables:

- Creation of Beneficiary Database
- Training officials on developing mobile data collection tools using Kobocollect
- Training on Data Analysis using GIS Software to Map Beneficiary datasets. Presenting analyzed data in report format using Excel Dashboards and Live Google Dashboards
- Successfully generated a final report of all time-bound activities performed during the project and achievements, including a report on the outcome of the capacity building training of the Ntengwe staff.

Company: World Vision Organisation

Location: Gokwe

Job Title: Consultant

Assignment: MoEPD GIS System Implementation for Renewable Energy Projects

(August 2018) – (September – 2018)

Key Deliverables:

- Completed life course Immunization and Knowledge, Attitudes, Practices, and Beliefs (KARB) project evaluation in collaboration with Dr P Tagwireyi (UZ) and Prof Mdhuluza (UZ) to measure the performance of project outcomes and output indicators.
- Prepared caregiver questionnaire using SMAP SERVER data capturing systems based on the indicators that were used for the project baseline survey and project monitoring. All the digital forms had geospatial capabilities.
- Successfully conducted training of enumerators to familiarize with the tools used for data collection, questionnaires and FGDs.

Company: GEF SGD UNDP

Location: Binga

Job Title: Consultant | University of Zimbabwe GIS Team of 5

Assignment: Baseline Survey

(July 2018) – (July – 2018)

Key Deliverables:

- Successfully mapped and analyzed Land degradation, Biodiversity, Water Resources and Climate in Kariyangwe and Simatelele. Reports and Recommendations were created from the baseline on Projects that the communities can engage in while conserving the Environment upon getting funding from the Small Grants Program

INDUSTRIAL ATTACHMENT

Company: Scientific and Industrial Research and Development Centre (SIRDC)

Location: Harare

Job Title: GIS and Remote Sensing Intern

(August 2017) – (June – 2018)

Key Deliverables:

- Digitized cadaster maps on the district level.
- Mastered the art of designing mobile data collection forms.
- Creation of Geodatabase and designing custom geo-webservers for City Councils.
- Grasped how the GPS measuring tools work.
- Mastered GIS mapping software such as ArcMap, QGIS and CARTO
- Participating in Environmental Impact Assessment projects.
- Understood manipulating Remotely Sensed Data into meaningful information such as NDVI calculations, Suitability mapping using restriction models, DEM analysis Watershed Delineation or creating catchments but not limited water resource management
- Facilitating GIS and Remote Sensing training and giving attention to detail from training.

EDUCATION

BSc Geography Honours Degree in Human Environment,

Graduation Year (2019), University of Zimbabwe, Harare Mt Pleasant

CERTIFICATES

- GIS and Remote Sensing Certificate offered by SIRDC
- **Planning for Monitoring and Evaluation by Philanthropy University's online University**
- National Foundation Certificate in Computer Operations and Packages
- Computer Programming Certificates in Python 3, SQL, PHP and HTML offered online by SOLO Learn School of Computer Programming.

REFERENCES

1. Dr P.Tagwireyi
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2. Prof. P. Taru
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