Mondli Buthelezi

GIS Developer/ Software Developer

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SKILLS

Programming Languages: HTML5, CSS3, JavaScript, Python, C#, Java

Libraries & Frameworks: Bootstrap, Unity 3D, JDBC, MySQL, Apache Spark

Tools & Platforms: Google Earth Engine, Git, GitHub, Adobe Xd, Photoshop, and Illustrator

Other Technical Skills: MS Office, ArcGIS, QGIS, HEC-RAS, GEO-RAS, IHA, Google Cloud, Drivers License Code 10

EXPERIENCE

Sibanye Stillwater Digital Mining Laboratory (DigiMine), Johannesburg, Gauteng
- Researcher
MARCH 2022 - PRESENT

- Collect, record, analyze, interpret data analysis results, and draw inferences and conclusions.
- Use research results to write reports, papers, and reviews and present findings to the committee, journals, and conferences
- Assist the lab in managing different operating systems.

Project Codex, Cape Town, Western Cape *- Java Developer Trainee*
FEBRUARY 2021 – NOVEMBER 2022

- Designing, implementing, and maintaining Java-based applications.
- Test and debug new applications and updates.
- Contributing to all phases of the development lifecycle
- Maintain up-to-date code documentation and participate in code reviews.

EDUCATION

The University of the Witwatersrand, Johannesburg, Gauteng - *MSc GIS & Remote Sensing,*

MARCH 2022 - PRESENT

Implementation and use of geospatially-based systems with an emphasis on the acquisition, integration, and analysis of data within a diverse range of disciplinary fields.

Project CodeX - *NQF5 Information Systems*

FEBRUARY 2021 - FEBRUARY 2022

Exploration of modern web frameworks eg. React.JS, Vue.JS, or a bespoke programme for an organization

University of Zululand, Richards Bay, KwaZulu Natal - *BSc Hons Hydrology*

MARCH 2019 - AUGUST 2020

The degree focused on Water Resources Management, Groundwater, and Surface Water Modelling

University of Zululand, Richards Bay, KwaZulu Natal - *BSc Geography & Hydrology*

FEBRUARY 2016 - NOVEMBER 2018

The degree focused on GIS, Environmental Management, and Hydrological Modelling.

Masibumbane High School, KwaZulu Natal - *Matriculation*

DECEMBER 2011

REFERENCES

References will be provided upon request