Curriculum vitae

Data Analyst

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Career Objective

Spatial Data Analyst with an understanding of the ETL processes with +3 years of experience in dataprocessing, management, and interpretation for driving business decisions. Thorough and meticulousData Analyst passionate about helping businesses succeed. Skilled in data collection from multiple sources, wrangling, analyzing, and interpreting results. As a junior professional, I have worked on multiple small and large-scale projects, which have a direct impact on business decisions and direction. Ability to circulate information in a way that is clear and efficient.

Available immediately and willing to relocate anywhere.

Work experience

Senior Meteorological Technician
02/ 2020 – 10/ 2022
Marion and Gough Island: **South African Weather Service (SAWS)**

Key responsibilities
- Successfully collected, cleaned, and prepared data for Modelling.
- Daily Data Quality control.
- Instrument calibration and hardware maintenance.
- Assist on ad hoc and Monthly report.
- Using Excel to profile data for statistical summary.
- Performed Data warehousing and weekly backup using SQL.

Data Science Intern
11/ 2018 –11/2019
Cape Town: **Grove Group**

Key responsibilities
- Receive, clean, and prepare data for client use.
- Developed optimized data collection and qualifying procedures.
- Interpret data from primary and secondary sources using statistical techniques and provide ongoingreports for the sales team.
- Build data visualizations using python and Excel.
- Assist in setting up Google Cloud platform for big data analysis.
- Leveraged analytical tools to develop an efficient georeferencing system.

Data Technician Intern
03/ 20181 – 11/2018
Cape Town: **South African Environmental Observation Network (SAEON)**

Key responsibilities
- Collect field data, field rain buckets, and water samples.
- Use R studio to wrangle and save data onto a database.
- Analyze the data and give monthly reports as part of the long-term environmentalmonitoring project.
- Produce Maps using GIS tools such as ArcMap and QGIS.
- Assist in performing daily data queries and prepared reports monthly.
- Used advanced Excel functions to generate spreadsheets and pivot tables.

Spatial Data Analyst
Learnership01/ 2018 -03/2018
Cape Town: **Locstat**

Key responsibility
- Used advanced Excel functions to generate spreadsheets and pivot tables.
- Automating data collection using VBS and macro.

Education

- **BSc Environmental Science:** Environmental Management and Geology, University of Kwa-ZuluNatal. 2016.
- **National senior certificate:** Kwa-Mahlobo Secondary School, 2009.
- **Related Courses:** Statistical modelling using R (ACCESS SEEC), Google Data Analytics (Coursera)

Projects

Meteorological data Management
- Aggregated Data from the Meteorological sensors into my SQL database, used inhouse software as well as excel to clean and store data. Data usability and accuracy was rated 98%.
- Data is distributed to the National weather forecasting as well as the word meteorological organization.

Georeferencing and Vehicle tracking
- Georeferenced data and use time intervals to create a model for efficient vehicle place and increase response time efficiency.
- Reduced number of drivers and number of shifts while improving response time as well as vehicle placements.

Skills and additional information

- Create, Quarry, update, maintain SQL databases.
- Build basic supervised and unsupervised models to make predictions.
- Solid foundation in Python (Numpy, Pandas, geo-pandas, Scikit-py, Matplotlib, Seaborn)
- Skilled in R (Dplyr, tidyr, ggplpt2 and esquisse).
- Manipulate and visualize data using pivot tables, Dashboards, graphs and maps using powerBi, excel and google sheets.
- Spatial data visualization using ArcMap, QGIS, and google earth.

References

Velelo Mazele – Chief Technician
South African Weather Service
0715952756

Abri De Buys – Technical Officer
South African Environmental Observation Network
021 799 8683

Nduduzo Nkosi – GIS Specialist
locstat
0786284247