Mark Guz . Jarvis Consulting

I am a Data Engineering Consultant for Jarvis Consulting Group and I love numbers. I majored in Statistics and Actuarial Science and minored in Computer Science at the University of Waterloo. I am interested in a data-oriented role within the financial and insurance sectors as my long-term goal is to work in the actuarial field. I believe that my vast technical knowledge of data analysis tools such as Microsoft Excel, Python, and Tableau combined with my financial background and ability to communicate complex technical concepts to non-technical audiences effectively make me the perfect candidate for the role.

Skills

Business Skills: Analytical Skills, Problem-solving and Numerical Reasoning, Communication and Teamwork, Microsoft Office (Excel, PowerPoint, Word, Visio, Access), Google Docs, Sheets, Slides

Technical Skills: RDBMS/SQL, Data Modeling/Mapping, Data Analytics, Tableau, Microsoft Power BI, Python, R, Mathematics and Statistics, Machine Learning, Git/GitHub, ETL

Jarvis Projects

Project source code: https://github.com/Jarvis-Consulting-Group/jarvis_data_eng-markg-94

Linux Cluster Resource Monitoring App [GitHub]: Used DDL to define tables for storing Linux host info and usage data in RDBMS and constructed SQL queries to extract data from the Linux host and insert it into the tables. Set up and utilized a docker and container instances.

BSA Project [GitHub]: Wrote complex SQL queries to extract relevant information from a database. Elicited requirements from business stakeholders through interviews and gathered information to construct a business requirements document for the Linux Cluster Resource Monitoring App and a software requirements document for an upcoming Stock Trader App. Presented data models in BRD.

Python Data Analytics [GitHub]: Cleaned and manipulated data in Pandas dataframes to extract basic statistical information such as mean, median, minimum, and maximum values of a data set. Generated data visualization plots showing the distribution of data, including outliers. Analyzed transactions with SQL queries and Pandas dataframe functions.

Highlighted Projects

McMaster University Data Management Case Analysis: Cleaned and analyzed financial transaction data using Microsoft Excel. Elicited business requirements to create a report and presented analytical findings. Made recommendations for future fraud detection. Worked as part of a team to find effective business solutions.

City of Hamilton Capstone Project: Collaborated as part of a team of three to gather import and export data of various commodities from Statistics Canada and other available resources. Created a dashboard of data visualizations in Tableau showing imports and exports by commodity and time series charts. Presented finished product to a non-technical audience in an effective and easy-to-understand manner.

McMaster University Data Mining and Predictive Analytics Project: Used Exploratory Data Analysis on Cleaned a large set of financial data using Python and Excel. Compared the effectiveness of various Machine Learning algorithms for predicting company bankruptcy. Prepared a report and a presentation discussing findings, receiving an excellent performance evaluation on both.

Professional Experiences

Business Systems Analyst, Jarvis (March 2023 - present): Completed projects in an agile work environment while maintaining effective communication with a scrum group. Created and set up a Linux virtual machine instance through the Google Cloud Platform. Wrote complex SQL queries to analyze numerical and categorical data. Prepared a Business Requirement Document (BRD) and Software Requirements Document (SRD) independently and with minimal guidance.

Junior Data Analyst, NPower (September - December 2022): Led and participated in scrum meetings as part of NPower's training program. Completed various mini-projects using tools such as Python, SQL, Microsoft Excel, and IBM Cognos Analytics, as well as a cumulative project at the end of the program.

Education

McMaster University (January 2021 - December 2021), Data Science Certificate, Data Science, Analytics, & Architecture - GPA: 3.98/4.0

University of Waterloo (September 2013 - August 2018), Bachelor of Mathematics, Statistics and Actuarial Science - GPA: 3.14/4.0

Miscellaneous

- Microsoft AZ-900 Certification
- Board games (chess, Scrabble)
- Gaming (Nintendo, PC)
- YouTube/Netflix (true crime, comedy)
- Physical exercising (walking/jogging, team sports)