Bill Guo

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Portfolio: https://portfoliobillg.com/
Featured Project: https://schedulerbillg.com/
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WORK EXPERIENCE

Tuccaro Inc.   2017 - 2022

Laboratory Technologist   Fort McMurray, AB

- Developed MS Excel worksheets for data analysis, data entry and data validation. Implemented conditional data validation, significantly reducing data entry errors. Wrote formulas to calculate results from laboratory data. Maintained Excel macros using VBA to automate Excel tasks.
- Utilized MS Access to compile and organize laboratory data into tables. Maintained relationships of tables within the Access database to ensure data integrity. Edited SQL queries for troubleshooting when encountering table related issues.
- Used LIMS (Laboratory Information Management System) for efficient collection of laboratory data. Conducted comprehensive checks to ensure data fell within established control limits. Reported and addressed out-of-control data points. Contributed to maintaining high standards of quality control in laboratory operations.

EDUCATION

Northern Alberta Institute of Technology   2022 - 2023

Post-Diploma Certificate in Data Analytics   Edmonton, AB

- Coursework: Statistical Analysis, Machine Learning, Data Visualization, Data Preparation, Business Data Analytics

University of Alberta   2012 - 2017

Bachelor of Science; Major in Chemistry, Minor in Biological Sciences   Edmonton, AB

PROJECTS

Schedule Planner

- Personal customizable schedule planner, currently in development. Utilized HTML, CSS, and JavaScript for front-end development. Utilized PHP and SQL to access backend MySQL database and retrieve user information from database.

Salary Prediction for Data Analytics Jobs

- Utilized Python clean and transform data extracted from Glassdoor job postings. Applied machine learning techniques to develop predictive models for salary estimation. Generated insightful visualizations to facilitate data analysis and interpretation.

Password Strength Data Visualization

- Utilized Excel to analyze and identify patterns in the top 500 most used passwords on the internet. Employed VLOOKUP for data transformation and created PivotTables to create insightful visualizations.

Portfolio Website

- Utilized HTML and CSS to build a website for showcasing my data analytics projects. Website hosted on GitHub Pages.

TECHNICAL SKILLS

- Python
- SQL
- MySQL
- PHP
- MS Excel
- VBA
- MS Access
- Power BI
- HTML
- CSS
- JavaScript