

Hui Miao

Applying for: Data Data Analyst

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Education

Bachelor of Science - University of Manitoba

Sep 2018 - Present

Computer Science Major, Economic Minor

Skills

Programming Languages: 🐍 Python, 📄 JavaScript, 🏗 C++/C, ☕ Java, 📊 R

Tools and Frameworks: GitHub, R, L^AT_EX

Languages: Chinese (native), English (proficient)

Operating Systems: Windows, macOS, linux.

Project

Database Interface (Coursework - Group project of three)

Java interface designed to run SQL queries on a relational database given a command.

- Normalized a dataset to Boyce-Codd normal form and created an Enhanced Entity Relationship model.
- Used an **SQL server** to store our relational database with proper tables.
- Created a **Java** program to read in a large dataset (CSV file) that outputs **2500+ lines** of SQL insertion syntax required to populate our database.
- Brainstormed and developed a set of SQL queries and commands for the interface.

Photo Gallery Website (Personal - In progress)

Website showcasing my favourite film and digital photos.

- Understood the basics of **HTML** and **CSS** by using a responsive design approach and implementing a desktop and mobile version of the website.
- Added animations using **JavaScript** to make website interaction more enjoyable.

Work Experience

Supply Chain Coordinator, J&R Livestock Consultants LTD.

Jan 2022 – July 2023

- Managed purchasing and inventory control, ensuring optimal stock levels and timely procurement of supplies to meet operational demands.
- Conducted regular cost-benefit analyses to identify opportunities for cost savings and efficiency improvements.
- Developed and maintained strong relationships with suppliers and vendors to ensure reliable supply chain operations.
- Automated financial reporting using **Python** scripts, reducing weekly reconciliation time by **2 hours**.
- Collaborated with IT to migrate legacy inventory data into a **SQL** database, improving query efficiency by **25%**.
- Created interactive dashboards in **Excel** to track KPIs like delivery times and stockouts.
- Adapted to a **high-stress**, fast-paced office environment, demonstrating strong problem-solving skills and the ability to manage **multiple tasks** simultaneously.

Interests

- Film and digital photography, fashion, travelling, and tutoring.