

Homayoun “Homa” Banazadeh

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Skills

Data Wrangling | Data Modeling | Data Visualization | Tableau | Power-BI | DAX | Machine Learning Algorithms | Python | R | Shiny | Spark | SQL | Statistical Analysis | Java | C++ | HTML | CSS | JavaScript | NoSQL | React | Git | App Development | Agile | Testing | Game Development | Unity

Education

Simon Fraser University - BSc. Data Science

Sept 2018 – Aug 2022

Experience

Software Support Analyst | Western Stevedoring

Sept 2021 to Apr 2022

- HSQE Software Selection: Gathered **requirements** from stakeholders, searched the market for financially viable solutions, created **vendor outline** and **scoring criteria**, held **vendor demos** with stakeholders, gathered the data, and wrote a recommendation report.
- Built data models and utilized **Power BI** query editor in addition to **DAX** to create KPI reporting **dashboards** used by teams of over 20 people to view live reports of truck movement, live inventory, and other KPI's.
- Created an **Automated Data Wrangling Pipeline** using **Python**. Created **QA tests** to ensure accuracy.
- Led **staff training sessions** for that covered project maintenance, risks, and potential pitfalls.

Data Engineer | ICBC

Sept 2020 to Apr 2021

- Implemented and tested a series of interconnected **data pipelines** for Controllable Cost reports using **Spark/Scala** and referencing IBM's **Data Stage**.
- Authored supporting **data mapping documents** that demonstrated transformations, formats, arrangements, and joins.
- Participated in bi-weekly **code reviews** and **QA Testing**.

Projects

Package Manager | Creator | Demo found here: [link](#)

Aug 2022

- An inventory management application to add, save, load, and remove various package types.
- UI was made using Java **Swing** with sections for adding/removing packages and viewing expired/overdue packages.
- Data is saved on server side as a **JSON list**. Server side was made with the **SpringBoot** framework.
- Client code sends and receives data and instructions using **HTTPS requests** with **CURL commands** and **API calls**.

I'm Positive/Negative/Neutral | Contributor | Report found here: [link](#)

Feb 2022

- Proposed an approach to **classify audio data** for social signal recognition with 74% accuracy.
- Collected and annotated audio data from YouTube, removed noise, and applied a variety of machine-learning models to predict sentiment.

Analysis of CO2 and yearly Canadian Temperatures | Creator | Link found here: [link](#) Nov 2018

- Developed a Shiny app that visualizes and examines the relationships between Canadian temperature, CO2, and Wind Speed data over last 2 decades.
- Includes a time-series analysis of temperature data, and regression analysis between CO2 and temperature with the capability to visualize multiple aspects of these relationships.