# Jack Li

Data Scientist | Data analyst

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## 🧠 Skills

**Python:** Highly proficient with pandas, numpy, matplotlib, seaborn, etc.
**R:** Highly proficient with ggplot, glm, general scripting, visualizations.
**Excel:** Proficient with pivot tables, filters, charts, data cleaning, etc.
**SQL:** Experienced with query calls, views, windows, etc.
**Data Visualization:** Familiar with telling stories using dashboards and graphics in Tableau and PowerBI as well as conveying key points.
**Statistical Methods:** Highly proficient with regression, classification, time series, inferential and descriptive statistics.
**Agile and Scrum:** Familiar with Agile and Scrum ceremonies.
**Cloud computing:** Familiar with Google cloud platform and Azure.

## 💼 Professional Experience

**Data Science / Data Analysis intern @ Teck Resources**
(2021 – 2022, Vancouver Canada)
Performed data cleaning on data sets, conveyed statistical inferences and exploratory analysis.
Retrieved significant features from various models using feature analysis techniques (stepwise, lasso, ridge)
Tested and deployed various regression models to predict equipment lifecycle, find trend, best, and worst case.
Tested and deployed classification models to identify equipment failure from noisy and non-ideal data.

## 📁 Projects

**Toronto Real Estate Regression Analysis & Prediction**
Using available independent data such as list price, # of rooms, etc, and dependent data like sold price to create regression model to model relationship and predict price.

**Machine Failure Classification**
Involved with employing logistic regression and sequential feature selection to determine top sensors likely correlated to mechanical failures.

**Wordnet Similarity Recognition Analysis**
Using available data for human reaction time and accuracy based on response to stimuli, analyse correlation between Wordnet path similarity and human task performance with statistical testing.

## 🎓 Education

**B.Sc. in Statistics & Computational Cognitive Science @ University of Toronto**
(2018-2023, Toronto Canada)
Relevant skills include practical knowledge in data regression models, predictive data techniques, classifiers, time series, dimensionality reduction, data visualization, and drawing key information to deliver insights on complex data sets. Also, in depth knowledge with data structures and programming.

## 🏐 Interests

**Volleyball:** I have a background in competitive volleyball, and I love to play whenever I get an opportunity.
**Food:** I love exploring and trying food from different places and cultures around the city with friends!
**Technology:** I enjoy tinkering and keeping up with new consumer tech like VR, PC components, and ML news!