

Skills

- Languages: R, Python, SQL, CSS, HTML, Javascript
- Statistical modelling: Random Forest, Convolutional Neural Networks, ARIMA, Logistic Regression, Linear Regression
- Other software: git, LaTeX, Tableau

Education

Bachelor of Science, Statistics Major
Simon Fraser University

Sept. 2016 - Dec. 2020

Projects

NBA salary regression

Apr. 2021

- <https://colab.research.google.com/drive/1pCPfY6VaR6cS-8a1E8UiChtZLPn2pq9H>
- Achieved a 34% reduction in root mean squared error from the baseline error with LASSO, random forest, and voting ensemble models
- Scraped and cleaned NBA salary data from website to join with box score stats

NBA fantasy sports matchup projections

Apr. 2021

- https://github.com/jql6/Fantasy_NBA
- Executed queries joining 3 different PostgreSQL database tables to visualize matchup projections via a Tableau dashboard
- Scraped over 14000 rows of data from 4 different Yahoo API and NBA API endpoints into PostgreSQL databases via Python

Image classification web app

Sept. 2020

- <https://github.com/jql6/draft-recognizer>
- Developed a web app to classify game screenshots with a convolutional neural network
- Extracted image data from self recordings of the game

Volunteering

Machine Learning Technologist - Haiven

Sept. 2020 - Present

- <https://github.com/myHaiven/data-collection>
- Scraping video and audio data from Reddit's API in Python
- Extracting audio from video files

Experience

Front End Dev - Truffles Fine Foods

July 2020 - Apr. 2021

- <https://trufflesfinefoods.com/>
- Improved performance rating from 76 to 94 on Google Lighthouse
- Increased SEO rating from 73 to 92 on Google Lighthouse
- Presented weekly reports of my progress to client

Experience continued

Statistics Tutor

Oct. 2019 - Mar. 2020

- Explained technical concepts to a non-technical audience with visualizations

Cashier - Real Canadian Wholesale Club

July 2017 - Oct. 2018

- Improved scanning speeds for new employees by optimizing code sheet
- Trained six new employees

Hackathons

SFU BADM Hackathon

Nov. 2019

- Modelled customer churn with logistic regression and presented findings to hackathon judges
- Explored relationship between variables through data visualization

Hackseq (1st place)

Oct. 2019

- Developed terminal UI that displayed 2 languages and genomic data in 3 panes
- Collaborated with group members via git

Justice Hack

Sept. 2019

- Scraped pdf urls with regular expressions
- Stored pdf link and pdf details into SQL database

Interests

Music Production, Cooking, Weightlifting, Video Games, Fantasy Basketball