# Jackie Lu

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## 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
- Performed regression analysis between NBA salary data and NBA box score stats with LASSO, Random Forest, and Voting Ensemble model
- 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

- 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

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## 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