Jackie Lu

778 863 3689
jlu6fz@gmail.com
jql6.github.io

Skills

- Languages: CSS, HTML, JavaScript, React, R, Python, SQL,
- Statistical modelling: Random Forest, Logistic Regression, Linear Regression
- Other software: git, LaTeX, Tableau, Webpack

Education

Web Development
The Odin Project — Feb. 2021 - Present

Bachelor of Science, Statistics Major
Simon Fraser University — Sept. 2016 - Dec. 2020

Experience

Front End Dev - Truffles Fine Foods — July 2020 - Apr. 2021

- Communicated website updates for Truffles Fine Foods and created documentation for non-technical users on how to change different areas of the site such as the banners, images, and menu pdfs
- Improved performance rating from 76 to 94 and on Google Lighthouse by converting images into webp format and using cache plugins
- Connected contact form to Tripleseat lead form API through html, resulting in new customers

Projects

React memory card game — Jul. 2021

- Created a game with ReactJS where the user tests their memory by clicking cards they haven't clicked before
- Developed an algorithm to guarantee at least one correct card choice when users are presented the cards
- Detailed the app logic that was written in cardsDisplay.js and wrote a Readme containing instructions on how to use the app, how the game works, and how the program ensures that the game is always winnable
- Increased PageSpeed Insight performance score from 88 to 100 by deleting glyphs from font file with font editor

Weather app — May 2021

- Created a weather app in JavaScript that displays weather data such as temperature and humidity for a given location
- Collected weather data through Open Weather API and displayed related animated images with Giphy API
- Added animated browser tab icon through Webpack

NBA fantasy sports matchup projections — Apr. 2021

- Visualized matchup projections with Python, PostgreSQL and Tableau by scraping Yahoo API and NBA API to make matchup predictions based on season averages and number of games left in a week
- Lead team to place top 3 out of 12 other teams

Volunteering

Machine Learning Technologist - Haiven — Sept. 2020 - Present

- Creating audio data pipeline for aggression detection model for app that combats domestic abuse by alerting emergency contacts if the aggression threshold is met
- Scraped 100% of data to be used by the model in the form of audio and video files from Reddit's API in Python and created a shell script to automate the process
- Completed three pull requests and code reviewed one pull request