

Jackson Situ

✉ jackson_situ@sfu.ca 🌐 www.jacksonsitu.com 📞 778-893-0891 📧 jaja0624

Skills

Languages: Java, Javascript, Python, SQL, C, C++

Technologies/Frameworks/Libraries: Nodejs, Reactjs, Vuejs, MongoDB, MySQL, Spring, JUnit, Selenium, Android, Pandas, Matplotlib, Scikit-learn, HTML, CSS

Projects

Cradlerest Web System (Software Development Methods, Simon Fraser University) September 2019 - Current

Java, Spring Boot, MySQL, Android, Vuejs, Bootstrap, HTML, CSS (team size = 8)

- Building a **CRUD** patient management **web + android** app for non-profit by self learning **Spring Boot, Vuejs**
- Implementing and testing secure and robust **restful API** service using **MySQL, Spring Security** and exception/error handling
- Interact with **Twilio API** for offline communication from our Android app to Web App through SMS
- Designing client pages for CRUD + Twilio usage feed using **Vuejs, Vuetify, HTML, CSS**
- Participating in the Agile and Scrum process (code reviews, scrum meetings, retrospectives) with **8 team members**

Movie Data Analysis (Computational Data Science, Simon Fraser University) January 2019 - April 2019

Python, NumPy, Pandas, Matplotlib, Scikit-learn (team size = 3)

- Performed data cleaning on movie data set of size 50k using **Pandas**
- Created visualizations using **Matplotlib** to find and show patterns in the movie industry for the past century
- Analyzed **regression models** using existing and **self generated features** with movie success and profitability
- Generated a **K-Nearest-Neighbours classification model** to predict the profitability of movies with 86% accuracy

Learn with Sudoku App (Intro to Software Engineering, Simon Fraser University) January 2019 - April 2019

Java, XML, Android Studio, JUnit (team size = 3)

- Created an **Android** app as a game of Sudoku to help users learn languages in **Agile** environment
- Performed **requirements elicitation** and analysis in the form of **user stories** and **TDD** examples to determine functionalities
- Implemented game menu and settings, importing and parsing csv files, Sudoku logic, text-to-speech and speech-to-text feature, variable screen size and orientation compatibility
- Generated automated unit tests with >90% code coverage for models using **JUnit**

Forum Tracker Web App (Personal Project) June 2018 - August 2018

Node.js, Express, MongoDB, WebSockets, JQuery, Bootstrap, HTML, CSS

- Created a **CRUD web application** with real time feed of data by **scraping** a web forum (redflagdeals)
- Utilized **noSQL MongoDB** database to have simple JSON data using **Mongoose** module
- Integrated **WebSockets** for communication between client and server using **Socket.io** module
- Implemented **SMS** and **email** notifications using **Twilio** and **Nodemailer**

Employment

Pacific National Exhibition (Seasonal), Vancouver, BC
Sweeper

June 2015 - September 2015

- Maintained cleanliness in designated areas without supervision
- Collaborated with fellow sweepers to increase efficiency during peak hours
- Provided customers with directions and event information by utilizing positive and clear communication skills

Activities

SFU eSports Association, Vancouver, BC
Overwatch Team - Player

September 2018 - Current

- Competed on a weekly basis as a team with >5 members against other Collegiate/Amateur teams
- Managed team schedule for weekly practices and games according to team member's availability
- Participated in Tespa National Collegiate tournament

Education

Simon Fraser University
Bachelors of Applied Science in Computing Science

September 2018 - Current

Langara College
Associates of Science in Computer Science

September 2016 - August 2018

Langara College - Dean's Honour Roll

Fall 2017

Interests: Automation, Web and Mobile, Clean Energy, Football, Basketball, Games, Colonization of Mars