



Pooya Jamali

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pouyajamali.github.io/pouyas-portfolio/



Technical Work Experience

Beedie School of Business

Software Developer

May 2021 – Present

- Created a twitter API software used to scrape data for research
- Wrote the acceptance criteria and executed it by doing manual testing on the developed software
- Designed and cleaned the data frames used to train the models in the research

Rostrum Medical Innovations

Software Engineer Intern

October 2020 – April 2021

- Designed and developed efficient software features for medical devices by utilizing C++
- Quality checked software by developing unit tests, and manually testing the acceptance criteria to meet user requirements
- Wrote and reviewed feature descriptions, test plans and test reports
- Organized codes by using version control tools (Bitbucket and JIRA)

Simon Fraser University

Software Developer

January 2018 – May 2018

- Developed efficient software by following industry standards coding practices which provided statistical analysis results on imported datasets from excel spreadsheets using R
- Created a GUI (utilizing the R library "Shiny") to present analyzed data in a readable format
- Developed unit tests for statistical analysis functions to ensure bug free software

Skills

- **Languages:** Python, C, C++, Java, JavaScript, CSS, HTML, SQL, R
- **Frameworks and Tools:** NodeJS/React, MongoDB, Pandas, NumPy, Git, Jira, VM ware

Academic Projects

Creating a CHIP-8 Emulator in an agile environment

The objectives were to design and implement an old CHIP-8 machine and an interface which displayed the output of the apps that ran on the emulator, and it prompted the user for different segments of the app.

- Developed the front-end of the project by utilizing JavaScript, CSS and HTML
- Built a text editor which could open CHIP-8 opcodes as string, edit them and save them as opcodes. It was mainly used to edit or create CHIP-8 games
- Made an automated testing script to unit test and validate the functionality of the Chip-8 emulator
- Submitted project on time, received an A as a grade, and was selected as one of the top 3 projects of the class

Personal Projects

Centre Mobile Plus Customer Database

This project was developed for Centre Mobile Plus in Montreal, QB with the purpose of developing a database for their customer information.

- Created local database which is easy to back up by non-technical staff by using SQLite and Python
- Wrote a variety of SQL queries to create a relational database to store customer information in a well-structured manner

Education

Simon Fraser University

May 2016 – December 2021

Bachelors of Computing Science