



Pooya Jamali

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pouyajamali.github.io/pouyas-portfolio/



Technical Work Experience

Data Engineer

Beedie School of Business

May 2021 – Present

- Created a twitter API software used to scrape and extract data for research using Python
- Wrote the acceptance criteria and executed it by doing manual testing on the developed software
- Developed data pipelines to transform and load data for NLP models

Software Engineer

Rostrum Medical Innovation

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)

Software Developer

Simon Fraser University

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

Projects

Consumable Inventory Tracker

During this project a consumable tracker software was implemented to track the expiry dates of food and drink items by utilizing object-oriented design in Java.

- Designed an enterprise level software with the MVC model in an agile environment
- Developed a front-end for the project by utilizing Java Swing
- Implemented a RESTful server side with Java Network and Spring Framework
- Created a database for the server side by storing data in a JSON file with GSON library
- Integrated the front-end and the back-end to deploy a complete solution

Find My Photographer

Find My Photographer is a CRUD web platform that connects event organizers with freelance photographers.

- Developed the front-end of the project by utilizing React framework
- Created photographer portfolio browser which allowed clients to pick and compare different photographers
- Implemented the booking feature which allowed clients to negotiate the event prices
- Worked closely with the back-end team for front-end design and integration

Education

Simon Fraser University

May 2016 – December 2021

Bachelor of Computing Science

Community Engagement

Simon Fraser University Iranian Club

President

January 2019 – May 2021

- Managed a group of twenty volunteers towards promoting a better student culture
- Organized events in various topics for over three thousand members