Avery Quan

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Languages:
Python, Java, Typescript, C++, C, Scala, Bash, SQL, HTML, PHP

Frameworks/Tools:
AWS, Git, Selenium, PostgreSQL, Jupyter Notebook, IntellijJ, JUnit, Linux, Docker, Jenkins

RELEVANT WORK EXPERIENCE

Software Test Engineer Co-op   May 2022 to Dec 2022
Visier Inc. • Vancouver, BC

- Created and maintained approx. 1000 Selenium integration/API tests
- Setup 20,000 fake users to be used for stress testing
- Modified Jenkins Groovy files to upgrade Jenkins pipelines and change infrastructure
- Collaborated with other development teams to reproduce and fix issues

Software Developer Co-op   Jan 2021 to Aug 2021
IOTO International Inc. • North Vancouver, BC

- Led two other co-ops to create a tool for analyzing political debates, using ML and AWS
- Trained NLP models for text classification and ontology creation; one of which made IRCAI's Global 2021 Top 100 List
- Created infrastructure in AWS to support automated data collection and processing (used AWS Transcribe, S3, SAMS, Lambda…)
- Developed web scrapers with Selenium and BS4 to insert legislature data into a PostgreSQL database

TECHNICAL PROJECTS

Flickonomics (School Project)

Jan 2023

- Developed an interactive visualization on the history of movies, with a team of four
- Created distinct graphs with JavaScript , D3, and HTML
- Found interesting trends, correlations and distributions in the data to visualize

Insight Facade (School Project)

Dec 2021

- Mimicked a database for UBC courses and buildings using Typescript
- Developed a frontend for querying courses using Html/JavaScript and REST API
- Performed Black box and White box tests with Chai and Mocha

EDUCATION

Bachelor of Science – Major in Computer Science   Jan 2019 to May 2024
The University of British Columbia • Vancouver, BC
Relevant courses:
OOP, Data Structures and Algorithms, Databases, Networking, Calculus, Linear Algebra, Machine Learning