Daisy Ma

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EDUCATION

University of British Columbia   Vancouver, BC
B.Sc Computer Science *GPA: 4.2 / 4.33*   Sept 2018 - Dec 2023
Coursework: Machine Learning and Data Mining, Advanced Relational Databases, Computer Vision, Computer Networking, Algorithm Design and Analysis

SKILLS

Programming Languages:	Python, Java, C#/.NET, C/C++, SQL
Frontend:	Typescript, Angular, HTML/CSS
Testing:	Selenium, JUnit, MSTest, Pytest
Tools/Environment:	Github, Visual Studio, Oracle, TeamCity, Azure DevOps, Splunk

WORK EXPERIENCE

Copperleaf Technologies   Vancouver, BC
Software Developer Intern   May 2022 - Dec 2022

- Designed and implemented 10+ **REST APIs** in **C#/.NET** environemnt for an engine that helps users to analyze and optimize investments.
- Created isolated, readable **unit tests** in MSTest to thoroughly test the code.
- Wrote dynamic hierarchical **SQL** query to detect circular dependency in Oracle DB.
- Resolved 10+ complex backend/frontend/DB bugs, maintaining **effective communication** with QA throughout.
- Built frontend components such as data grid within **Angular** framework. Communicated with UI designer to ensure correct UI behaviour and improve UX.
- Constructed a new database schema using Oracle SQL.
- Presented a new team-developed feature to the entire engineering team in a clear and concise manner.

Broadcom Software   Vancouver, BC
Software Developer in Test Intern   Sept 2021 - April 2022

- Wrote and maintained 40+ automated tests using **Selenium**.
- Wrote 50+ robust **REST API tests** in Pytest, covering comprehensive positive, negative, and permission scenarios.
- Adapted to agile practices such as sprint planning and daily standups in a fast paced scrum team.
- Utilized **CI/CD tools** such as GitHub and TeamCity.
- Identified and reproduced product defects and accurately reported on JIRA.

PROJECTS

Personal Project - File Organizer Automation Script 2024 *Python* github.com/daisyuma/File-Organizer

- Manages newly downloaded files by gathering similar ones and organizing them into a designated folder.
- Identifies duplicate files and prompts users for deletion, optimizing disk space usage.

Internship Project - Server Status Dashboard 2022 *Python, Flask, HTML/CSS*

- A Flask webpage that displays the status of multiple servers in the company.
- Utilizes asynchronous programming to retrieve and render each server's status in the frontend.
- Prompts username and password for authentication.

Hackathon - Company Hackathon 2021 *Python*

- A script that queries automation test report and generates a visualization of the data, then emails the visualized data to registered users

Hackathon - BizHacks 2020 *Java, Java Swing*   github.com/daisyuma/BizHack-Project

- Models a virtual sales associate at Best Buy. The algorithm recommends products based on the user's input data to a series of questions.

School Project 2020 - Facebark *PHP, MySQL*   github.com/daisyuma/Facebark

- Uses relational database to implement a social media platform named Facebark that storesd information about dogs and their owners.
- Allows user to query for aggregated data of their dogs.