

DAISY MA

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EDUCATION

University of British Columbia

B.Sc Computer Science *GPA: 4.2*

Coursework: Machine Learning and Data Mining(2023), Advanced Relational Databases(2023), Computer Vision(2023), Introduction to Computer Networking(2023), Algorithm Design and Analysis(2020)

Vancouver, BC

Sept 2018 - Dec 2023

WORK EXPERIENCE

Copperleaf Technologies

Software Developer Co-op

Vancouver, BC

May 2022 - Dec 2022

- Full-stack software development with C#/.NET and Angular in Visual Studio.
- Designed and implemented 10+ REST APIs for an engine that helps users to analyze and optimize investments. Created isolated, readable unit tests 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.
- Helped construct 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

Software Developer in Test Co-op

Vancouver, BC

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.
- Familiar with CI/CD tools such as GitHub and TeamCity.
- Identified and reproduced product defects and accurately reported on JIRA.

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, Jupyter Notebook

PROJECTS

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

Built a Flask webpage that displays the status of multiple servers in the company. Utilized asynchronous programming to retrieve and render each server's status in the frontend. It also includes user authentication.

Hackathon - Company Hackathon 2021 *Python Pandas, Python bokeh*

In a team of 4, built a script that gathers automation test reports, generates a visualization of the data, and emails the visualized data to registered users.

Hackathon - BizHacks 2020 *Java, Java Swing*

<https://github.com/daisyuma/BizHack-Project>

In a team of 4, designed and implemented a program modeling an online sales associate at Best Buy. The algorithm recommends products based on user's answers to a series of questions.

School Project 2020 - Facebook *PHP, SQL*

<https://github.com/daisyuma/Facebook>

In a group of 3, used relational database to implement a social media platform named Facebook that stores information about dogs and their owners. Used MySQL queries to return aggregated dog information.

Hackathon - Build Day 2019 *Python, Flask*

<https://github.com/daisyuma/Anywhere-Project>

In a team of 3, built a webapp that improves campus accessibility by displaying accessible washrooms.