

Aghilan Nathan

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EDUCATION AND SKILLS

The University of British Columbia - Sauder School of Business

BCom - BUCS - Bachelor of Commerce in Computer Science GPA (3.90 / 4.33)

Vancouver, BC

Sept 2021 - April 2025

- 1st year student in a highly competitive 4-year degree to build a strong foundational understanding of CS and commerce.
- Systematic Program Design (93%), Discrete Math and Logic (April 2022)
- Software Construction and OOP (June 2022), Data Structures and Algorithms (Aug 2022)

WORK EXPERIENCE

Aghilan's Tutoring

Private Tutor

Calgary, AB

Sept 2020 - Present

- Worked one-on-one with students seeking assistance in multiple learning areas such as Math, Physics, English
- Provided private tutoring services for teenagers from ages 14-19 in their homes or remotely
- Developed and implemented comprehensive lesson plans that accommodated specific learners depending on level
- Average improvement of 23% per student in Physics, 20% in Math, and 14% in Humanities respectively

PERSONAL PROJECTS

[Split Fare](#)

Python, Flask, HTML/CSS, SQLite3, Heroku

Vancouver, BC

December 2021

- Created CRUD application to connect UBC students going to the same location to split expenses.
- Implemented user registration and login; stored passwords are encrypted using the Bcrypt module.
- Added ability to edit both posts and account information, e.g., updating your profile picture and forgot password.
- Deployed on Heroku via a GitHub repository allowing for continuous integration/deployment with each push.

[LeetCode Progress Visualizer](#) – nwHacks2022

Python, Flask, HTML/CSS, SQLite3, Heroku

Vancouver, BC

Jan 15th, 2022

- LeetCode.com does not have any way of presenting solved questions in a visual and organized manner.
- Created a site where users can see their strengths and weaknesses in different Data Structures.
- Implemented dynamic updates of bar graphs (computed server-side) to reflect the user's progress.
- Resulted in increased self-awareness within users regarding their ability to solve different types of questions.
- Lead three other individuals in developing the user interface and integrating the data sent from the server-side.

SKILLS AND INTERESTS

Technical Skills

- Python
- Flask
- JavaScript (ES6)
- HTML and CSS
- PostgreSQL
- Git and GitHub

Interests: Stoicism, Chinese Philosophy (Confucius and Lao Tzu), Poetry and Canadian Personal Finance.