

Aghilan Nathan

Calgary, AB | [LinkedIn](#) | [GitHub](#) | 403-400-3726 | nathanaghilan@gmail.com

EDUCATION AND SKILLS

The University of British Columbia – Sauder School of Business
BCom - Bachelor of Commerce and Computer Science GPA (3.95 / 4.33)

Vancouver, BC
Graduating May 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%), Fundamentals and Object-Oriented Programming in JavaScript (FreeCodeCamp)

TECHNICAL SKILLS

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|--------------|--------------------|------------------|
| • Python | • JavaScript (ES6) | • Git and GitHub |
| • Flask | • HTML and CSS | • TypeScript |
| • PostgreSQL | • VS Code | |

WORK EXPERIENCE

Aghilan's Tutoring
Private Tutor

Vancouver, BC
Sept 2020 - Present

- Worked one-on-one with students seeking assistance in multiple learning areas such as Math, Physics, Humanities
- Frequently teach Introduction to Programming courses in Python and Racket
- 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 18% in Computer Science respectively

PERSONAL PROJECTS

[LeetCode Progress Visualizer](#) – nwHacks2022
Python, Flask, HTML/CSS, SQLite3, Heroku

Vancouver, BC
January 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.

[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.

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