

# Aghilan Nathan

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## EDUCATION

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### 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)

### Nelson Mandela High School

Alberta High School Diploma

Calgary, AB

Sept 2018 - June 2021

- Graduated with 99% core average and 1<sup>st</sup> Ranked in Physics, and Financial Management
- Extracurriculars: Nelson Mandela Swimming and Debate Team
- Nominated by 6 teachers and awarded “Most likely to be successful”

## WORK EXPERIENCE

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### 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

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### [Split Fare](#)

Python, Flask, HTML/CSS, SQLite3, Heroku

Vancouver, BC

December 2021

- CRUD application to connect UBC students going to the same location so they can rideshare and split expenses.
- Live site allows for user registration and login; stored passwords are encrypted using the Bcrypt module.
- Ability to edit both posts and account information, e.g., updating your profile picture and forgot password feature
- 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

- Application where users can input their solved LeetCode questions and site will render multiple bar graphs
- Graphs allow users to see in which Data Structures they are strong at and where they require more practice.
- Server-side algorithm written in Python to dynamically compute new bar heights with every update from the client
- Deployed on Heroku via a GitHub repository allowing for continuous integration/deployment with each push.

## SKILLS & INTERESTS

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**Skills:** Python 3, Flask, PostgreSQL, HTML and CSS

**Interests:** Stoicism, Table Tennis, Quantum and Nuclear Physics, Canadian Personal Finance