**Aghilan Nathan**

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# TECHNICAL SKILLS

* Python
* Flask
* HTML and CSS
* TypeScript
* React
* Git and GitHub
* JavaScript (ES6)
* VS Code

# EDUCATION

# The University of British Columbia – UBC Sauder School of Business Vancouver, BC

# *BCom - Bachelor of Commerce and Computer Science GPA (3.95 / 4.33) Graduating Dec 2024*

● Data Structures and Algorithms, Object-Oriented Programming

# WORK EXPERIENCE

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| --- | --- |
| **Aghilan’s Tutoring** | **Vancouver, BC** |
| *Private Tutor* | *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

# [Personal Finance Dashboard](https://github.com/aghilann/Finance-Tracker) Vancouver, BC

# *React, TypeScript, PostgreSQL, Supabase, Insomnia, Mantine March 2022*

* Integrated authentication via GitHub and established relationships between User’s and corresponding data tables.
* Identified web-based user interactions and developed highly responsive User Interface via React Concepts
* Utilized external API’s like Yahoo Finance to ensure rendered data was consistent with latest market conditions
* Reduced original lead-time by 70% by reducing unnecessary re-renders on state changes

# [LeetCode Progress Visualizer](https://github.com/aghilann/Leetcode-Visual) – nwHacks2022 Vancouver, BC

# *React, TypeScript, Tailwind CSS January 2022*

* Created responsive web-based UI leveraging data visualization to display proficiency in different algorithmic patterns
* Optimized components to work seamlessly across different browsers and screen sizes.
* Led team of developers/designer by refactoring code to increase performance by 25% and eliminating redundancy

# [Split Fare](https://github.com/aghilann/Split-Fare) Vancouver, BC

# *Python, Flask, HTML/CSS, SQLite3, Heroku 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.