

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

BCom - Bachelor of Commerce and Computer Science GPA (3.95 / 4.33)

- Data Structures and Algorithms, Object-Oriented Programming

Vancouver, BC

Graduating Dec 2024

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

[Personal Finance Dashboard](#)

React, TypeScript, PostgreSQL, Supabase, Insomnia, Mantine

Vancouver, BC

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](#) – nwHacks2022

React, TypeScript, Tailwind CSS

Vancouver, BC

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](#)

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.

