

# Suhayl Patel

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## EDUCATION

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**University of British Columbia**  
*Bachelor of Science in Computer Science*

Sep. 2020 – Ongoing  
Vancouver, B.C.

## EXPERIENCE

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**Software Engineering and STEM Tutor**  
*Self Employed*

Sep. 2018 – Ongoing  
Vancouver, B.C.

- One-on-one tutoring using OOP design principles in Python, Java, and other languages.
- Teach students the importance of Git version control practices using GitHub
- Additionally tutor mathematics, physics, and other STEM subjects at elementary and high school levels.

**Franchise Location Co-Owner/Operator**  
*Code Ninjas Langley*

Aug. 2022 – Sep. 2023  
Langley, B.C.

- Successfully opened and operated an independent Code Ninjas franchise location, managing all aspects of the business including staffing, training, marketing, bookkeeping, and more.
- Created resources to teach students JavaScript in a franchise platform, Lua in Roblox Studio, and C# in Unity.
- Achieved positive cash-flow and customer base growth prior to opening by promoting pre-registration discounts.

**Lead Coding Instructor**  
*Code Ninjas North Vancouver*

Jul. 2021 – Aug. 2022  
North Vancouver, B.C.

- Ran Python, web development, and block-coding camps that introduced programming topics in a fun and engaging manner to students between ages 8-15.
- Trained and led groups of approximately 10-12 instructors to uphold a consistent standard of teaching.
- Used personal knowledge of Git to provide a solution and fix ongoing issues of students losing their code with no access previous versions, along with the inability to work on their projects from multiple computers.

**Mechanical Team Member**  
*UBC Sailbot*

Sep. 2020 – Aug. 2021  
Vancouver, B.C.

- Used SOLIDWORKS, Rhino 7, and Orca 3D to test the stability and equilibrium forces of geometric hull models
- Analysed hydrostatic stability report results using Microsoft Excel macros to optimise and improve performance.
- Worked with team members and maintained detailed project communication using Confluence, Jira, and Slack.

## PROJECTS

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**TriviApp** | *Java, JSON-Java, Swing, Git*

Sep 2023 – Nov 2023

- Developed a Trivia app to create, edit, and play user-created topics, with focus on regressive testing using JUnit.
- Created a GUI using Swing, a Java Foundation Classes library.
- Utilised the JSON-Java library to implement read-write save state functionality for user topics.

**Portfolio and Tutoring Website** | *HTML, CSS, JavaScript, React, Git*

Dec 2023 – Ongoing

- Combined skills in HTML, CSS, and JavaScript to build a simple portfolio website hosted using GitHub pages
- In progress; currently implementing React for Tutoring section of website

## TECHNICAL SKILLS

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**Languages:** Java, Python, Racket, MATLAB, JavaScript/HTML/CSS, R, Lua, C#

**Frameworks and libraries:** JUnit, JSON-Java, Swing, WordPress, React, pandas, NumPy, Matplotlib

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, DrRacket, Jira, Confluence

## OTHER SKILLS

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**Soft skills:** collaboration, open-mindedness, problem-solving, teamwork, leadership, adaptability, optimism, creativity

**Personal interests:** musical instruments, skiing, soccer, hiking, ultimate frisbee, mountain biking, and learning!