

YECHENG WANG

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Education

Simon Fraser University

Sept 2022 – 2026

Bachelor of Science in Computing Science, Minor in Cognitive Science

Burnaby, BC

- Deans Honour Roll (Fall 2024)

Skills

Languages: C, C++, Python, HTML/CSS, JavaScript, Typescript, Swift, Dart

Dev Tools: Git, GitHub, VS Code, PyCharm, Xcode, Jupyter Notebook, Android Studio

Technologies/Frameworks: React, Node.js, Next.js, Tailwind CSS, Firebase, Flutter, SwiftUI, SQLite

Transferable Skills: Time Management, Verbal & Written Communication, Multi-Discipline Team Collaboration

Work Experience

AI Coding Instructor

Jan 2025 – Present

Summit Middle School (SD43)

Coquitlam, BC

- Crafted lesson plans centered around real-world applications of **Artificial Intelligence** for middle school students
- Introduced **search algorithms** including BFS, DFS, Dijkstra, and A* search, as well as simple **neural networks**
- Engaged students by teaching collaborative **Python** and **Pygame** game development with **CodeHS** and **Trinket**

Front-End Web Developer

Sept – Dec 2024

Whistler Bubble Tea | www.whistlerbubbletea.ca

Whistler, BC

- Revamped the store website to meet client specifications, resulting in a **20% boost in customer engagement**
- **Increased site traffic by over 30%** by optimizing the store's social media, Facebook, and Yelp profiles
- Facilitated client communication through regular in-person meetings to align goals, designs, and deadlines

Projects

Metro Vancouver 9-1-1 Report System | React, Next.js, Tailwind CSS, Git, Shadcn

<https://github.com/ryotak/cmpt272-project>

- Led a **cross-functional team** in developing an interactive web application to report and manage live emergencies
- Utilized GitHub version control and Pull Requests to **accelerate development cycles by 50%**
- Mastered project architecture and adopted modern tools such as Shadcn, Leaflet, and Tailwind CSS Framework

Molu Finance Swift Application | Swift, SwiftUI, Xcode, Git

<https://github.com/Vancarii/Molu>

- Built a responsive **iOS application** enabling users to finance second-hand products through incremental payments
- Leveraged **SwiftUI** Framework to design and integrate intuitive, responsive native **iOS** workflows and functionalities
- Streamlined project development by managing **Git version control** and tracking progress using GitHub Issues

MeetPup Social Flutter Application | Dart, Flutter, Pub Dev, Git, Google Maps API, Firebase

<https://github.com/Vancarii/Meetpup>

- Developed a social networking platform using the **Flutter** Framework and **Dart** to connect dog owners in their area
- Configured a **Firebase-powered database** to enable secure user authentication, profile creation, and messaging
- Integrated the **Google Maps API** with enhanced overlays to help users locate and navigate nearby events efficiently
- Validated app functionality through testing on both physical devices and emulators, **resolving 95% of reported bugs**

Volunteer / Leadership

SFU Tennis Varsity Team

Most Valuable Player

- Victoria Junior Open Champion in both singles and doubles categories

North Shore Mountain Bike Association

Volunteer Trail Builder

- Attended summer trail days and worked as a team to maintain and build sustainable trails for the community