

# YECHENG WANG

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## Education

### Simon Fraser University

*Bachelor of Science in Computing Science, Minor in Cognitive Science*

Sept 2022 – May 2026

*Burnaby, BC*

- Deans Honour Roll (Fall 2024)

## Work Experience

### AI Coding Instructor – Python, Pygame

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 basic terms and **search algorithms** including breadth-first search, depth-first search, and AI agents
- Engaged students by teaching collaborative **Python** and **Pygame** game development with **CodeHS** and **Trinket**

### Front-End Web Developer – HTML, CSS, DNS Hosting

Sept – Dec 2024

*Whistler Bubble Tea* | [www.whistlerbubbletea.ca](http://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 website, Facebook, and Yelp profiles
- Facilitated client communication through regular in-person meetings to align goals, designs, and deadlines
- Hosted the website on **GoDaddy**, configured DNS settings, and integrated client systems to ensure seamless operations

## Projects

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

<https://github.com/ryotakc/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**

## Skills

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

**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

## 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