

# Yifan Hao

<https://yhao0011.github.io/personal-website/>

Email : yifanhao5@gmail.com

Mobile : 604-442-4500

## EDUCATION

### University of British Columbia

*Bachelor of Science in Computer Science and Statistics; cGPA: 4.0 (96%)*

Vancouver, BC

Sep. 2021 – May 2025

## EXPERIENCE

### Jr. Full Stack Developer

Jan. 2023 – Present

*Verto Health*

*Toronto, ON*

- **Led the integration** of third-party vendor into a major client product, a critical piece in providing mental health services to over **3000+** youth in Ontario
- Built **FHIR-compliant** API using Flask and OAuth for Canada Health Infoway Projectathon; completed **100% of test cases** compared to an average of 50% for other vendors
- Developed Ruby script to automate uploading of patient and form data; reduced manual workload by **99%**
- Contributed to service directory website for provincial health authority using Angular, Python, and Meilisearch
- Added **10+** reusable components to Verto's component library using Angular and Storybook

### Undergraduate Teaching Assistant

Sep. 2022 – Dec. 2022

*University of British Columbia*

*Vancouver, BC*

- Led weekly programming labs for **over 60** students for CPSC 110 (Computation, Programs, and Programming)
- Explained programming concepts in Racket including recursion, data types, and systematic code design
- Graded weekly problem sets and lab work by asking students detailed questions about their code

## PROJECTS

### YouTube Playlist Video Maker | *Python, Flask, React, Docker, Azure, Git*

Jul. 2022 – Sep. 2022

- Developed a full-stack web application using Python and Flask to create and download music playlist videos by combining multiple videos into one
- Used image-based editing method to decreased memory usage by **40%** from documentation recommended method
- Queried the YouTube API for song information that would be displayed during the video

### Easy Queue | *JavaScript, Node.js, Express, Socket.io, React, MongoDB, Git*

Jun. 2022 – Jul. 2022

- Developed a full stack queue website to create, run, share, and join simple online queues
- Implemented token-based user authentication to allow for users to save queues
- Incorporated Socket.io (web sockets) to allow for real time updates of queues; queue information was retrieved, updated, and stored in a MongoDB database

### Java Cards - Flashcard Application | *Java, Swing, JUnit, Git*

Jan. 2022 – Apr. 2022

- Developed an interactive flashcard application in Java to create, edit, delete, and review decks of flashcards
- Created a UML class design diagram to analyze application structure and class hierarchy
- Incorporated object orientated design concepts such as the Iterator pattern
- Implemented JUnit unit tests for test-driven development; utilized the IntelliJ debugger to fix bugs

## TECHNICAL SKILLS

**Languages:** Ruby, JavaScript, HTML/CSS, Python, C++, SQL (Postgres), Racket, R

**Frameworks:** Ruby on Rails, Angular, Vue.js, React, Node.js, Flask, JUnit, Bootstrap

**Developer Tools:** Git, Docker, Microsoft Azure, VS Code, Visual Studio, IntelliJ

## AWARDS AND ACHIEVEMENTS

### Start-up Hustle Award | *Verto Health*

Apr. 2023

- 1 of 3 people chosen in company to receive award.

### 1st Place Deloitte thinkTECH | *Deloitte*

Nov. 2022

- Developed and presented solution to a real world problem relating to employee vaccines at FHA
- Incorporated UiPath RPA with Azure Blob Storage and React website

### Trek Excellence Scholarship | *The University of British Columbia*

Sep. 2022

- Awarded to students in the top 5% of their undergraduate year and faculty