Yifan Hao

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EDUCATION

University of British Columbia GPA: 4.0/4.0 (96%)
Bachelor of Science in Computer Science and Statistics *Expected Graduation: May 2025*

EXPERIENCE

Jr. Full Stack Developer Intern Jan. 2023 – Present
Verto Health *Toronto, ON*

- Spearheaded the integration of third-party electronic form service into product using **Ruby on Rails** and **PostgreSQL**, enabling mental health services for **3000+ youth** in Ontario
- **Automated** daily uploading of **10,000+ rows** of patient and form data with **Ruby** script, utilizing parallel processing and caching for improved efficiency
- Built **FHIR-compliant API** using **Python Flask** for Canada Health Infoway Projectathon; passed **100% of test cases** compared to an average of 50% for other vendors
- Communicated with multi-functional teams in an **Agile environment** on a daily basis; consistently delivered tickets ahead of schedule
- Added **10+** reusable components to Verto's internal component library using **Angular** and **Storybook**
- Implemented group virtual appointment functionality using **Ruby on Rails** and **Vue**, optimizing data management by eliminating data duplication with single table inheritance.

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)
- Held office hours to explain programming concepts including recursion, data types, and systematic code design
- Received a **99%** average satisfaction rating in all categories throughout all lab sections

PROJECTS

Easy Queue | *JavaScript, Node.js, Express, Socket.io, React, MongoDB, Git* Jun. 2022 – Jul. 2022

- Developed a full stack queue website with token-based user authentication to create, run, share, and join simple online queues
- Utilized **Socket.io** (web sockets), **React**, and **MongoDB** to allow for **real time** updates of queues

Java Cards - Flashcard Application | *Java, Swing, JUnit, Git* Jan. 2022 – Apr. 2022

- Created a flashcard application in **Java** through **test-driven development** to create, edit, delete, and review decks of flashcards
- Incorporated **object orientated design concepts** such as the Iterator pattern

TECHNICAL SKILLS

Languages: Ruby, JavaScript, HTML/CSS, Python, C++, SQL (Postgres), Racket, R
Frameworks and Tools: Ruby on Rails, Flask, Angular, Vue.js, React, Node.js, Git, JUnit, Docker, Rspec

AWARDS AND ACHIEVEMENTS

Start-up Hustle Award | *Verto Health* Apr. 2023

- 1 of 3 people chosen in company to receive award; only intern to receive award

1st Place Deloitte thinkTECH | *Deloitte* Nov. 2022

- Presented a RPA solution using Azure, UiPath, and React to address real-world employee vaccine challenges

Trek Excellence Scholarship | *The University of British Columbia* Sep. 2022

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