

# Hao Wei Huang

Fourth Year Computer Science Student

## EXPERIENCE

**Together Software**  
Software Engineer  
Sep 2020 – Dec 2020  
Toronto, ON

- SWE intern at a **Y Combinator** backed start-up, specializing in full-stack development
  - Stack: React, NodeJS/Python, NoSQL

**CI Technologies**  
Full Stack Developer  
Sep 2019 – Dec 2019  
Vancouver, BC

- Led a full stack project from scratch that centralized the company's administration service to **improve workflow**
  - Designed **data architecture** and **schema** using PostgreSQL
  - Created **responsive tables** and **forms** with edit/delete modals, pagination, and server-side search and sort functionalities through Vue.js and Vuex state management
  - Developed algorithm to distinguish user **permission rights**
  - Implemented **RESTful APIs** through Spring Boot framework under the **Repository-Service pattern**

**BDO Solutions Technology**  
Full Stack Developer  
Jan 2019 – Apr 2019  
Toronto, ON

- Contributed to a multimillion-dollar **web application** using Angular, Entity Framework, LINQ, and MVC
  - Programmed and maintained several modules including **security access** and integration of **pop-up forms**
  - Resolved over **100+ defects** related to pagination, search filter, sorting table, populating emails, and generating PDFs

**Canadian Imperial Bank of Commerce**  
Software Engineer  
Apr 2018 – Aug 2018  
Toronto, ON

- Constructed a user-friendly **GUI** using C# to visualize and analyze **over 1,000,000** rows of data and **run index prediction**
  - **Performed predictive analysis** on expected shares outstanding, float shares and weightings of stock indexes
  - Integrated **Bloomberg RESTful API** into a daily-run script that maps merger and acquisition events to stocks
  - Formulated a structure around various index provider data of **20,000+ rows of data** per day
  - Launched a **system** that notify any upcoming index changes every morning to traders, **boosting efficiency**

## PROJECTS

**UWPath**  
Co-founder  
[Project Link](#)

- Architected a **full-stack application** using Vue.js, Python and PostgreSQL designed to help UWaterloo students plan their courses based on desired majors, minors, and options
  - Established a prototype using Django framework
  - Managed a team of 4 designers, front/back end developers through hosting weekly meetings

**AdvenTour**  
[Project Link](#)

- Designed a **multi-platform tourism Android app** with the theme of gamification in uOttawa Hacks 2019

**Tetris**  
[Project Link](#)

- Implemented a 2-player Tetris game using the **observer** and **MVC design pattern** in C++ and graphics through Xwindow

**Multilingual Translator**  
[Project Link](#)

- Published an **iOS translator app** through React Native that allows simultaneous translation with multiple languages

## PROFILE

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✉ hw2huang@uwaterloo.ca

🌐 haoweigg.github.io/Portfolio

🌐 linkedin.com/in/haoweihuang

🌐 github.com/haoweigg

## SKILLS

### Languages

C, C#, C++, CSS/HTML, Java, JavaScript, Python, TypeScript

### Databases

PostgreSQL, MS SQL

### Frameworks

Android Studio, Ajax, Angular, Django, Entity, Hibernate, LINQ, React Native, REST APIs, Spring Boot, Vue.js, Vuex

## EDUCATION

### University of Waterloo

Sep 2017 – Dec 2021

*Bachelor of Computer Science with Business Minor and Combinatorics and Optimization Minor (3.7/4 GPA)*

## ACTIVITIES

### Student Ambassador (2020)

*Microsoft Student Partner*

### UI/UX Core Developer (2018)

*WATonomous Design Team*

### Runner-up (2018)

*Waterloo Velocity's Problem Pitch Competition*

### Semi-Finalist (2017)

*TD Bank Case Competition*