

# Hao Wei Huang

Fourth Year Computer Science Student

## EXPERIENCE

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

- Core developer at a **YCombinator** start-up that provides mentorship software built with React, Node.js, and NoSQL
  - Integrated G Suite for key clients through **webhooks/APIs**
  - Implemented a Plan Session wizard which increased usage of the note feature by **32%** before each session

**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** with 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
  - 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

- 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** 

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


**Tetris** 

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

**Multilingual Translator** 

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

## PROFILE

 (778)-865-5530

 hw2huang@uwaterloo.ca

 [haoweig9.github.io/Portfolio](https://github.com/haoweig9)

 [linkedin.com/in/haoweihuang](https://www.linkedin.com/in/haoweihuang)

 [github.com/haoweig9](https://github.com/haoweig9)

## SKILLS

### Languages

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

### Databases

Firebase, PostgreSQL, MS SQL

### Frameworks

Angular, Django, Node.js, React, 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

### Secretary (2019-present)

*UW Taiwanese Student Assoc.*

### 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*