

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 Gsuite for key clients through **webhooks/APIs**
 - Implemented a Plan Session wizard which increased usage of the note feature by **32%** before mentoring sessions

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
[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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🌐 haoweig9.github.io/Portfolio

🌐 linkedin.com/in/haoweihuang

🌐 github.com/haoweig9

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