

# Hao Wei Huang

Third Year Computer Science Student

## EXPERIENCE

### CI Technologies

Full Stack Developer

Sep 2019 – Dec 2019

Vancouver, BC

- Led a project that centralized the company's administration service to **improve workflow** using Java Spring, Vue.js and Vuex from scratch
  - Designed **data architecture** and **schema** using PostgreSQL
  - Created **responsive tables** and **forms** with edit/delete modals, pagination, and server-side search and sort functionalities
  - Developed logic to distinguish multiple **permission rights**
  - Utilized Spring Boot's **mail server** properties via SMTP
  - Implemented the entities, controller, service and repository of several modules through HQL and Spring Boot

### BDO Solutions Technology

Full Stack Developer

Jan 2019 – Apr 2019

Toronto, ON

- Contributed to an enterprise-level **web application** under an agile team using MVC, Angular, LINQ, and Entity Framework
  - Programmed and maintained several modules including **security access** and integration of **pop-up forms**
  - Resolved over **50+ defects** related to pagination, search filter, sorting table, populating emails and generating PDFs
- Designed and validated custom **web sign-up form** using Canada Post API, and Regex patterns to **maintain data-integrity**

### 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**
  - Predicted the outlook of multiple indexes (TSX/SP500) with expected shares outstanding, float shares and weighting
  - Integrated **Bloomberg REST API** into a daily-run script that maps merger and acquisition events to key stocks
- Deployed multiple programs and scripts for stock analysis
  - Formulated a structure around various index provider data of **20,000+ rows of data** per day with Python scripts
  - Launched a **system** to notify the traders of any upcoming index changes every morning in order to save time

## PROJECTS

### UWPath

[Project Link](#)

- Initiated a **full-stack application** using Django, Python and PostgreSQL designed to help UWaterloo Students plan and explore their desired majors, minors and options

### Multilingual Translator

[Project Link](#)

- Published an **iOS translator app** through React Native that allows simultaneous translation with multiple languages
  - Leveraged **GCP's Cloud Translation API** to provide real-time translation across several languages

### AdvenTour

[Project Link](#)

- Designed a **multi-platform tourist Android app** with the theme of gamification in uOttawa Hacks 2019
  - Specialized in **authentication** using Snap Kit API

### Tetris

[Project Link](#)

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

## PROFILE

### Phone Number

(778)-865-5530

### Email

[hw2huang@edu.uwaterloo.ca](mailto:hw2huang@edu.uwaterloo.ca)

### Portfolio

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

### LinkedIn

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

### GitHub

[github.com/haoweig9](https://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 - Apr 2022

*Bachelor of Computer Science  
with Business Minor*

## ACTIVITIES

### Student Ambassador (2020)

*Microsoft Student Partner*

### Dean's Honours List (2018/19)

*University of Waterloo*

### UI/UX Core Developer (2018)

*WATonomous Design Team*

### Runner-up (2018)

*Waterloo Velocity's Problem Pitch Competition*

### Semi-Finalist (2017)

*TD Bank Case Competition*