

Hao Wei Huang

Third Year Computer Science Student

EXPERIENCE

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
 - Developed algorithm to distinguish user **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** using Angular, Entity Framework, LINQ, and MVC
 - 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** by using Regex patterns and web services 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**
 - Performed predictive analysis** on expected shares outstanding, float shares and weightings of stock indexes
 - Integrated **Bloomberg REST API** into a daily-run script that maps merger and acquisition events to stocks
- Deployed multiple Python scripts for stock analysis
 - 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

[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

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

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🌐 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 – 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