Hao Wei Huang

Computer Science and Finance Student

WORK EXPERIENCE

BDO Canada
Microsoft Full Stack Developer
Jan 2019 - Present

- Utilized various technologies including Angular, C#, CSS, HTML, MVC, and SQL server on multiple projects
  - Designed and validated custom web sign up form using Canada Post API, and Regex patterns
  - Populated dynamic visuals using Power BI and DAX expressions for BDO's internal valuation team

- Contributed to multi-million-dollar solution for Dairy Farmers of Canada during User Acceptance Testing Stage (UAT)
  - Resolved over 50+ defects reported by client including:
    - Populating pop-up forms
    - Sending confirmation emails
    - Generating customizable PDF files
    - Modifying permission and authorization methods

Canadian Imperial Bank of Commerce
Software Engineer
Apr 2018 – Aug 2018

- Deployed programs and scripts to assist traders facilitate their analysis on the Equity Market Portfolio team
  - Automated the storing process of index data using MS SQL database and Python
  - Launched a system that send emails to traders notifying upcoming index changes every morning

- Constructed a user-friendly GUI using C# to display over 20,000 index data and run index prediction analysis
  - Predicted future outlook of an index with expected shares outstanding, float shares and weighting
  - Worked extensively with Bloomberg API for precise and exclusive data points

PERSONAL PROJECT / RELEVANT EXPERIENCE

AWS Workshop
Certificate

- Completed **Amazon Web Service solutions training** for partners in Mar '19

WATonomous
UI/UX Developer
Sep 2018 – Dec 2018

- Reengineered the **front-facing graphical interface** for safety warnings and hardware status of Waterloo's autonomous vehicle design team using C++ and QT

Multi-Language Translator
Project Link

- Published an **IOS translator app through React Native** that allows text to be translated into several languages at once
  - Utilized GCP's Cloud Translation API
  - Contributed a JS built script, enabling users to define source and target language in a class for **open source** repository, Power-Translator

AdvenTour
Project Link

- Designed a **multi-platform tourist Android App** with the theme of gamification in uOttawa Hacks 2019
  - Worked in a team of 4, **specializing in authentication** using Snap Kit API with Android Studio
  - Lead the team to prepare and pitch the app to the judges

GPA Calculator
Project Link

- Formulated a GPA calculator Android App designed for first year Waterloo and Laurier students using Android Studio

PROFILE

Phone Number
(778)-865-5530

Email
hw2huang@uwaterloo.ca

Personal Website
haowei99.github.io/Personal-Portfolio/

LinkedIn
linkedin.com/in/haoweihuang

GitHub
github.com/haowei99

SKILLS

Proficient:
Android Studio, Angular, C, C#, C++, MS SQL, Power BI, Python, PyQT, React Native

EDUCATION

University of Waterloo
Sep 2017 - Apr 2022

Candidate for Bachelor of Computing and Financial Management (3.65 GPA)

AWARDS

Dean's Honours List
University of Waterloo
Dec 2018

Runner Up (2nd Place)
Waterloo Velocity's Problem Pitch Competition
Feb 2018

Awarded $2000 to fund R&D that strives to solve motion sickness among VR users

Semi-Finalist
TD Bank Consulting Case Competition
Nov 2017