Ting Jia (TJ) Wu

3rd Year, Computer Science

15 December 1998

tjwu24@gmail.com

+1 7782885542

https://github.com/DawtDawt

Education

B.Sc in Computer Science
University of British Columbia
Seasonal GPA: 3.67

Technical Skills

Programming: C, C++, Java, Lua, Python, R, Javascript, Latex
Web: React, HTML5/CSS, Express
Tools: Intellij, Eclipse, Postgres, VS2019, Github, Nodejs, Unity

Extra-Curricular

Computer Science Club
• Guided undergraduates in their respective fields and interests
• Organized external events to promote interest in Computer Science

Project Euler
• Frequent visitor of projecteuler.net, a website filled with complex problems dedicated for mathematician programmers to challenge.

Volunteer

Nutritional Transparency Initiative for Students, UBC
Club formed in 2018 aimed at improving life styles of UBC students
• One of the initial founding members
• Development of a website and app is underway to reach more students
• Plans to expand the network to incorporate numerous universities

bcGameJam 2018, Vancouver
Hackathon event hosted in BCIT
• Guided first-time participant
• Assisted in workshops: C/C++

BMO Marathon, Vancouver
BMO hosted marathon featured in the Greater Vancouver Area
• Co-organizer for sale booths
• Station manager for water stops
• Volunteered for 3 consecutive years

Technical Projects

Caller ID Filter (Java) (Personal)
June 2019 - Present
• An Android application being developed that detects spam call numbers.
• Detects spam call numbers by checking a global database server. Phone numbers that contacts multiple phones with the app installed in a short time window will be flagged as spam (unless specified otherwise by enough people).
• Made from scratch using assets from Android API 24
• Overall Development Progress: 40%
Skills: Design Patterns, Android Studios, Java, SQLite, Sorting/Search Algorithms

SuperRent (Javascript) (Personal)
May 2019-Present
• A comprehensive car rental databasing renting system made using React, Express, Postgres, with Javascript and CSS
• Responsible for backend, querying, endpoint connections, and UI design
• Allowed improvements in error-handling and algorithm design
Skills: Design Patterns, Object-oriented programming, WebStorm, React, Express, Postgres, Javascript, CSS, Git

Boxes (Lua) (Hackathon)
Feb 2019
• 2D dungeon RPG game created at BCGameJam 2019 that introduced deep storytelling through the use of dynamic obstacles, multi-level designs, and friendly/hostile NPCs. Made using Lua and Love (game engine)
• Coordinated coding of complex interweaving classes simultaneously with others by using Git, which liberated additional time to introduce additional features
• Multi-tasked on game design, engine improvement, character movement, object creation, tools for level design, and NPC/object interactions.
Skills: Design Patterns, Git, Lua, Love

Bus'R Us (Java) (School)
Apr 2016
• An Android application from a school project that functioned as a map for stops and routes of the Greater Vancouver Transit System, retrieved real time arrival/depart information, and plotted the user location and the nearest stops.
• Developed JSON Object parser and JSON Array parser, and assembled sorting algorithms and buffer systems to parse raw data into the app optimally, leading to faster load times compared to other students' projects in my lab
• Implemented classes and JUnit testing using UML diagrams
Skills: Design Pattern, Unit Testing, Parsing, Java

Sunshinebicycles.com (CSS/HTML) (Personal/Volunteer)
Jan 2014
• A introductory website for the sunshine bicycle store located in Gilroy.
• Initialized development of the website along with the art team and integrated additional components such as social networking plugs and code flexibility. development of the website increased sales of services and products by 50 percent.
• Disclaimer: Website management was later taken over by a third party in 2015 and the current site was not the site developed in 2014
Skills: CSS/HTML, Database, Parsing, Team-work

Work Experience

Firmware Engineer - Netgear, Richmond
Jan 2020 - Sept 2020
Co-op firmware developer for the Canada branch of Netgear
• Responsible for developing the firmware for an unreleased WiFi hot-spot device company built C libraries in a Linux environment

Clerk - Mayfair Services, Vancouver
Jun 2019 - Present
Multi-service agent of Mayfair Services providing a variety of services
• Responsible for IT, passport/visa photography, legal document processing, customer transactions, Fedex/DHL services, and accounting

Customer Service - Kuo Hua Trading, Richmond
Jan 2015 - Jun 2016
Sole customer service at the front desk in the mornings.
• Responsible for all cashier employees and customer satisfaction
• Introduced permanent store front features (food demos, customer representatives, seasonal decorations, etc)