Weiyoung Tan

5th year **BSc in Computer Science** @University of British Columbia

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SKILLS

Languages: Typescript | JavaScript | HTML/CSS | Java | C# | C++ | C | SQL | Python

Tools: React | Express | MongoDB | Firebase | GCP | Azure | Xamarin | React Native | Git

Courses: Advanced Algorithms | Fullstack Web Dev | Databases | Hardware and OS | Artificial Intelligence

EXPERIENCES

Mobile App Developer — BGC Engineering, Vancouver BC   JAN 2021 - present

- Developed **new features** such as layer import, layer opacity slider, layer zoom and highlight, offline data sync and transfer, and form autofill/UX optimization using **C#, Xamarin, Entity Framework, and ArcGIS**.
- **Collaborated** with the team through demos, knowledge transfers, and code reviews.
- Utilized Azure DevOps, Azure Pipelines and App Center to **test and release** the mobile application.

JavaScript Developer — Integration Hive, Vancouver BC   OCT 2020 - DEC 2020

- Initialized a **chatbot** using TalkJS and **redesigned** button layouts to **improve UX**.
- Restructured repo and refactored code smells to increase **code cleanliness and readability**.
- Introduced Git and **good coding practices** to the team, to improve workflow.

Quality Assurance Coordinator — NGX Interactive, Vancouver BC   SEP 2019 - DEC 2019

- Executed **integration** and **end-to-end** tests on software from touch-screen applications to multi-display interactive screens, and utilized Jira to log bugs and assign tickets.
- Adapted an Agile-Waterfall hybrid model that emphasizes **communication**.

PROJECTS

InvestoBull — MERN stack, ChakraUI, Firebase, Azure ML, Vercel (group)   MAY 2021 - AUG 2021

- Built a stock prediction webapp using the **MERN stack** and **ChakraUI**, and hosted it on **Vercel**.
- Authenticated users with **Firebase Auth**, and accessed user data using snapshots in **Cloud Firestore**.
- Utilized **Machine Learning** to predict stock prices based on technical and fundamental factors.

Gym Autobook — JavaScript, Cypress, Github Actions (personal)   JAN 2021

- Utilized Cypress to find, select, and fill in the required fields to **automate** the session booking process.
- Scheduled a **cron job** using Github Actions, to execute the script on specific days.

Food for Thought — JavaScript, Google Maps API, Firebase, Google Cloud (NWHacks)   JAN 2020

- Created a platform for communication and rating, that **simplifies and optimizes food donation**, as an incentive to reduce the food waste problem in Canada.
- Connected the JavaScript/Bootstrap frontend with the Cloud Firestore database.
- Planned, brainstormed, and collaborated in a team of 4, finishing the project within 24 hours.

EDUCATION

University of British Columbia, Vancouver BC   SEP 2017 - expected DEC 2022

BSc in Computer Science, final year | GPA 3.70

EXTRACURRICULAR

Musical Director and Vocal Percussionist | Choral Reef, UBC A Cappella   MAY 2020 - APR 2021

Interests: Singing | Beatboxing | Guitar | Piano | Food | Tech | Outdoors | Fitness | Philosophy