

SHU TING HU

Computer Science

shuting-hu.github.io | | Email: shutinghu2000@gmail.com | | GitHub: [shuting-hu](https://github.com/shuting-hu)

SKILLS

Programming

Java, C++, C, C#,
JavaScript, TypeScript,
Python, PHP, MySQL

Web

React, Node.js,
Express, HTML, CSS

Tools

Git, Firebase, Heroku,
AWS*, Docker*, JIRA,
Selenium, Postman,
Unity*, Figma,
Adobe CC

* currently learning

EDUCATION

University of British Columbia

Vancouver, BC
2018 – 2023 (expected)
B.Sc. Computer Science
Dean's Honour list
GPA: 4.10/4.33

International Baccalaureate

Diploma
2015 – 2018

INTERESTS

- Provincial badminton player, volleyball, hiking
- Videography and editing

WORK EXPERIENCE

University of British Columbia, Vancouver, BC

Computer Science Teaching Assistant

May 2021 – Present

- Lecturing, tutorial organization, project development mentoring, exam grading and tutoring for relational databases course (CPSC 304).

Trulioo, Vancouver, BC

Software Engineer in Test

Aug 2020 – Apr 2021

- Developed an internal test data creation portal with **React** and **Node.js** to minimize time for manual test efforts by 95%.
- Capture requirements for test automation framework in **TypeScript (Jest)** and **C# (NUnit)**. Technology practice with **Selenium**, **Sandbox**, and **Postman**.

Shaw Communications, Calgary, AB

Project Coordinator

May 2019 – Aug 2019

- Wrote Excel formulas/macros to assist the department to transition into Oracle Cloud. Increased monthly capitalization by millions; strict deadline proficiency.

PROJECTS

Impostor (DubHacks finalist)

Oct 2020

- A productivity timer created for remote work, Chrome extension monitors browser tabs and notifies the **Node.js** backend with **websockets** if a user in the room visits unproductive sites. Web app developed in **React**.
- **Firestore database** maintains timer sync between clients and backend.

Wanderlist, A Travel Planning Social Network

Jan 2020 – Apr 2020

- Emulated a travel planning social media system utilizing **PHP** and **MySQL**.
- Used database normalization to future proof code and improve data integrity.
- Implemented various division, aggregation, join, projection, selection, update, deletion queries with interface for user to specify conditions.

Task Manager Application

Feb 2019 – Apr 2019

- Developed a task parser in **Java** to extract priorities, status, deadlines, etc. from natural English descriptions to construct task objects.
- Implemented task integration with software design patterns.
- Agile/thorough implementation through **JUnit** tests with 100% code coverage.

LEADERSHIP

nwPlus, Vancouver, BC

Co-President

Apr 2021 – Present

UX/UI Designer, cmd-f Logistics

Sep 2019 – Apr 2021

- Lead and manage 40+ members of 8 subteams to run 3 of Western Canada's largest hackathons (nwHacks, HackCamp, cmd-f; totaling over 2k participants).
- Lo-fi to hi-fi wireframing and additional asset creation on **Figma** for cmd-f website.
- Book/plan/draft/schedule/outreach and lead day of event for cmd-f 2020-2021.