ShuTing Hu

shuting-hu.github.io | shuting-hu | shu-ting-hu
(403)926-5568 | shutinghu2000@gmail.com

Education

University of British Columbia
`Expected Grad`: 05/2023
`GPA`: 4.10/4.33

Bachelor of Science in Computer Science
Dean's Honour List
Relevant Coursework: Data Structures and Algorithms, Computer Systems, Machine Learning and Data Mining, Artificial Intelligence, Internet Computing, Graphics

Experience

Software Development Engineer Intern
Workday
Victoria, BC
05/2022 - Present

- iOS development for the Workday mobile app.
- Improving metrics usability by implementing organized logging of in-app activity, analytic events and experiments for the data team to analyze and improve product direction.

Technologies: Swift, Objective-C

Software Engineer in Test Intern
Trulioo
Vancouver, BC
08/2020 - 04/2021

- Developed an internal test data creation portal in React, redesigned workflow through implementing JSON-driven forms in the frontend, reduced time for manual test efforts by **95%** in dev, qa and staging environments.
- Captured requirements for test automation framework, setup and maintained library of tests for web-based SaaS app.

Technologies: React, Node.js, AWS, Docker, TypeScript, Jest, C#, NUnit, Selenium, Sandbox, Postman, Kibana

Computer Science Teaching Assistant
University of British Columbia
Vancouver, BC
05/2021 - 08/2021

- Assisted in lecturing, development of assessment material, exam and project grading for CPSC 304: Relational Databases; led and organized tutorials for **30+** undergraduate students.
- Individually guided student groups in project development of a personal fullstack web application.

Technologies: SQL, PHP, Java

Co-President
nwPlus
Vancouver, BC
09/2019 - 04/2022

- Led and managed **50** members of **8** subteams to enable the execution of **3** of Western Canada's largest hackathons and their preceding events (nwHacks, cmd-f, HackCamp), totalling **2k+** participants annually.
- Founded and launched a mentorship program (connect-f) for gender minority youth in underserved communities interested in technology; organized technical development workshops/panels; oversaw logistics and led day of event for cmd-f.
- Lo-fi to hi-fi website wireframing, branding, illustrating and additional asset creation for the cmd-f events as a UX/UI Designer.

Projects

Impostor
github
devpost

- A virtual productivity room created for remote work, built-in pomodoro and chat.
- Built a Chrome extension responsible for monitoring browser tabs, checking against a blocklist of unproductives sites, notifying the backend and alerting everyone in the room if a user visits one of those sites.

DubHacks 2020 finalist and Disney: Best Collaboration and Storytelling prize
Technologies: React, Node.js, Firebase, Heroku, WebSockets

Wanderlist
github

- Emulated a social media network for travel planning and sharing.
- Used database normalization to future proof code and improve data integrity.
- Implemented login/signup authentication, user/admin profile and visualized various division, aggregation, join, projection, selection, update, deletion queries tailoring to user specifications.

Technologies: MySQL, PHP, HTML, CSS

To Due

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

Technologies: Java, JUnit