

Alan Lai

(206)-446-7178 | alan.lai1738@gmail.com | <https://www.linkedin.com/in/alan-t-lai/> | <https://alan-lai1738.github.io/>

SKILLS

Programming Languages: Java, C++, Python, SQL, HTML, JavaScript

Technologies: Git, Linux, CSS, Embedded Systems, Microsoft Office, Node.JS

Tools: AWS

EXPERIENCE

Teaching Assistant/Peer Facilitator, University of Washington | Bothell, WA Dec 2020 to June 2021

- Assisted teaching and peer reviewed for fifty students in "CSS 143: Programming II" and over three hundred java projects a quarter.
- Coordinated weekly office hours on Discord to aid students in understanding assignments and guidelines for Java programs.
- Automated grading of students' Java programs by implementing a test harness using JUnit saving graders 4 hours per assignment.

Undergraduate Research Assistant, Tech4Good | Bothell, WA June 2021 to Present

- Created an online course that bridges the gap between UW Bothell's computer science curriculum and the skills required to interview for software engineering positions.
- Taught students how to approach, solve, optimize, and recognize space/time complexity for algorithmic challenges, using Java and C++, to prepare them for industry interviews.

Officer, Association for Computing Machinery Club | Bothell, WA June 2021 to Present

- Helped organize sixty CS events a year focused on sharpening technical skills and preparing students for the software engineering field.
- Worked with other officers to create solutions for over ten Technical Interview Preps sessions. Worked with students to sharpen their data structures/algorithms knowledge through LeetCode.

EDUCATION

Bachelor of Science in Computer Science and Software Engineering Expected Autumn 2022

University of Washington Bothell | Bothell, WA

GPA: 3.7

Relevant Coursework: Data Structures, Algorithms and Discrete Mathematics, Software Engineering, Technical Writing, Analysis and Design, Database Systems, Artificial Intelligence

SOFTWARE & DESIGN PROJECTS

Personal Website – HTML/JavaScript/CSS Dec 2020 to Present

- Implemented a personal website portfolio with biography, resume, and project information through HTML.
- Designed a fully functional, colorful, and interactive website through CSS and JS for a visually appealing live interface.
- Collaborated with two other website builders to compare/test performance, compatibility, and improve features of the website.

Jolly-Banker – C++ Oct 2020 to Sep 2020

- Programmed a bank management system which can take transactions documents, create accounts, manage index funds, and manage joints through C++.
- Designed all classes through UML diagrams and planned every class with an organized document.

Movie Store – C++ Feb 2021 to Mar 2021

- Created a Movie Store Inventory program that uses binary search trees to store movies based on genres and made a Hash-Map to store customer IDs with their information.
- Program can parse information of customers, transactions, and inventory for a Store based off text files.