

# Alan Lai

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## SKILLS

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

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

## EDUCATION

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**Bachelor of Science in Computer Science and Software Engineering**

Expected January 2022

University of Washington Bothell | Bothell, WA

GPA: 3.64

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

## SOFTWARE & DESIGN PROJECTS

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### Personal Website

- Programmed a personal website portfolio through HTML and JavaScript.
- Designed a fully functional website through CSS for a visually appealing interface.
- Collaborated with 4 team members to test performance, compatibility, and improve features of the website.

### Calculator

- Developed a fully functional calculator through Python.
- Created user interface through Tkinter focusing on easy accessibility and use.
- Used UIs and 3rd party libraries.

### Jolly-Banker

- Programmed a bank management system which can take transactions, create accounts, manage index funds, and manage joints through C++.
- Designed all classes through UML diagrams and implemented on Visual Studio Code.
- Used object-oriented programming skills and core data structures skills.

### Workout Regime

- Used Java to create a workout tracking application which can be updated daily.
- Used Object-oriented programming skills and UML diagrams.
- Worked collaboratively with 2 other members to improve and add more functionalities that can be used by people who workout.

## EXPERIENCE

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**Teaching Assistant/Peer Facilitator**, University of Washington | Bothell, WA

2020 - Present

- Assisted teaching and peer reviewed for 50+ students in "CSS 143: Programming II" and over 300+ java projects a quarter.
- Coordinated weekly office hours on Discord to aid students in understanding assignments and guidelines for Java programs.
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**Officer at Association for Computing Machinery Club**, UWB ACM | Bothell, WA

2021 - Present

- Helped organize 60+ CS events a year focused on sharpening technical skills and preparing students for the software engineering field.
- Promoted and collaborated on an annual hackathon, "UWB Hacks from Home."
- Worked with other officers to create over 10 problems for Technical Interview Preps.