

# Alex Lai

(206) 372-8678 | [alexlai@uw.edu](mailto:alexlai@uw.edu) | <https://www.linkedin.com/in/linkedinalex/> | <https://github.com/alex-t-l>

---

## SKILLS

---

**Languages:** Java, C++, C, Python, SQL, JavaScript, HTML/CSS

**Tools and Software:** Git, Linux, Visual Studio Code

**Libraries/Frameworks:** Node.js, React

## EDUCATION

---

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

Expected, December 2022

University of Washington Bothell | Bothell, WA

- GPA: 3.68, Dean's List Honors
- Extracurriculars: Chief Technology Officer for the Association for Computing Machinery Club at UW Bothell
- Relevant Coursework: Data Structures and Algorithms, Technical Writing, Software Engineering, Analysis and Design, Database Systems, Artificial Intelligence, Operating Systems, Intro to AI, Hardware and Computer Organization

## WORK EXPERIENCE

---

**Software Engineer Intern, Lotus Project | Remote**

July 2021 - Present

- Developed and maintained dashboard that displays main results from analytics team
- Decide framework to integrate and display results using AWS
- Incorporate results of data analysis to geoJSON JSON file format to visualize the results on a Google Maps platform.

**Computer Science Tutor, University of Washington Quantitative Skills Center | Bothell, WA**

June 2021 – Present

- Lead 15-minute one on one tutoring sessions to help about 100 students a quarter develop computation and quantitative skills.
- Took advantage of constructive tutoring to empower students in programming, used feedback-based tutoring to analyze student's code when debugging.

**Computer Science Teaching Assistant, University of Washington | Bothell, WA**

December 2020 – Present

- Graded about 45 students' Java projects to assist the professor with grading and provide feedback on programming assignments, grader for Java I and Java II. Graded C and Python Projects in AI and Operating Systems.
- Created a dozen JUnit code-testing programs to automatically grade student's Java Programs.

**Undergraduate Research Assistant, Tech for Good | Bothell, WA**

Mar 2021 - Present

- Created an online course with 150+ users that connects UW Bothell's computer science curriculum and the skills required to interview for software engineering positions.
- Wrote detailed C++ solutions for answers to questions from LeetCode, each lesson describes how to approach, solve, optimize, and calculate space/time complexity for a problem.

## PROJECTS

---

**Personal Website, <https://alex-t-l.github.io/alex/>**

November 2020 - Present

- Used **JavaScript, HTML, and CSS** to design a website that acts as my personal resume and biography.

**Nutrition Chatbot, <https://github.com/alex-t-l/Nutrition-Chatbot>**

June 2021

- Used **Python** to design a chatbot that specializes in constructive nutritional advice.
- Worked in a team of two to construct 150+ potential responses to user input.

**Movie Rental System, <https://github.com/alex-t-l/Movies-Project>**

March 2021

- Used **C++** to create a program that represents a Movies Rental Inventory System.
- Uses binary search trees to store information about movies and their genres.

**Inspirational Quote Generator, <https://alex-t-l.github.io/Inspirational-Quote-Generator/>**

July 2021

- Used **JavaScript, HTML, and CSS** to design a website that generates inspirational quotes.
- Fetches quotes from a URL using JSON, randomly generates a background image, colors, and quotes.