

EDUCATION

University of Washington

Seattle, WA

B.A. in Computer Science

Sept. 2021 - June 2025

- Relevant Coursework: Computer Programming I-II; Hardware/Software Interface; Software Design and Implementation; Foundations of Computing I, Systems Programming

H.M. Jackson High School

Mill Creek, WA

High School Diploma

- Relevant Coursework: Calculus I-IV; Differential Equations; Linear Algebra; Elements of Statistical Method

EXPERIENCE

Teaching Assistant

Seattle, WA

Paul G Allen School — UW Computer Science Program, Seattle Campus

Sept 2022 - Present

- Preparing and teaching quiz sections on data structures and programming concepts
- Helping students one-on-one in office hours with homework and lecture concepts
- Grading weekly homework
- Attending staff meetings and coordinating with instructors and other TAs

Lead Instructor

Mill Creek, WA

Mathnasium

March 2019 - Aug 2021

- Responsible for attending to the education of over 150 K-12 students using the Mathnasium method
- Provided exceptional customer service and a personal approach to each individual student's needs
- Worked in a team teaching environment, where collaboration and communication were vital to ensure that all student needs are met.

PROJECTS

Audreygle (Mini-Google Search Engine)

C, C++

- * System Design: Implemented a doubly-linked list and chained hash table in C, created a local search engine, save/read index files, and created an internet-accessible version of the search engine
- * Documentation: Followed Google Style Guide, read documentation (API's, C++ Reference Guide, man pages)

Campus Map

Java, TypeScript, React, CSS

- * Displays the most optimal path between two buildings on the University of Washington campus with a full-stack web application
- * Developed a Graph representation in Java using the adjacency list representation
- * Implemented Dijkstra's Algorithm and TypeScript React user interface

EXTRACURRICULAR

Violin - Classical Training

2009 - PRESENT

- Under The Coleman Violin Studio from 2009 - 2021
- Under Ronald Patterson from 2021 - Present

University of Washington Symphony Orchestra

Jan 2022 - PRESENT

Seattle Youth Symphony Orchestras

Sept 2015 - June 2021

PROGRAMMING SKILLS

Primary Languages: Java

Developer Tools: Git, IntelliJ, VS Code, GDB, Valgrind

Other Languages: C, C++, React, TypeScript, R