

EDUCATION

University of Washington - Seattle

Expected Graduation: June 2025

Bachelor of Science in Computer Science

GPA: 3.75

- **Relevant courses:** Data Management, Data Structure Algorithms & Parallelism, Object-Oriented Programming, Hardware/Software interface, Discrete math & Probability, Software Implementation, Systems Programming, Artificial Intelligence, Deep Learning, Database Spaces & Internals, Computer Vision, Autonomous Robotics.

EXPERIENCE

Treasurer

Sep. 2022 – Curr

Synaptech ([website!](#)) @ University of Washington - Seattle

Seattle, WA

- Manage orders for new hardware, grants, transactions, and financial assets for the club
- Represent club as an officer and engage in research projects related to computer science and neuroscience

Undergraduate Data Management TA

Sept. 2023 – Curr

Paul G Allen School of Computer Science

Seattle, WA

- Co-lead & organize sections to discuss significant course topics to students
- Engaged in the grading team & help respond to 100+ students on course feedback & clarifying questions on class platform

Volunteer Teacher Assistant

June 2023 – Curr

Microsoft Teals

Seattle, WA

- Build an equitable CS Program for all students. Bridge the gap for schools without local computer science or technical professionals, by delivering remote teaching to enable comprehensive CS education for all students
- Support the classroom 2 days a week in a remote class setting and also take on role as main teacher

President

Sept 2020 – June 2022

Highline Computer Science Club ([find out more!](#))

Seattle, WA

- Present to a diverse group of students with CS opportunities & career paths
- Delegate roles & lead a team to prepare for hackathons and coding workshops

Website & Art Lead

July 2020 – June 2022

YouthKAN ([find out more!](#))

Edmonds, WA

- Led website development, showcased art pieces, and held discussions on mental health to empower the voices of the Asian community

PROJECTS

Opticars | *Python, SQL, Pytorch, Tensorflow, Keras, Numpy, Pandas*

- Work with a team to utilize Tobii Glasses Pro3 to stream eye-movement data and design cars on Arduino
- Decode data into saccade and blinks to build machine learning models to detect user intentions when controlling the car

H2OhNo! ([learn more](#)) | *Google Cloud, Google Dialog Flow, HTML, CSS, Javascript, chart.js*

- An application that tracks water contamination utilizing machine learning models, a novel solution to aid 7.2+ million people in developing regions
- Visualized data trends using chart.js to track overall improvements in water accessibility

Flight App | *SQL, Azure, Java*

- Implemented database application and worked with transaction management to perform queries
- Used SQL and concurrency to improve efficiency of search time from within Java via JDBC

Dynamic Storage Allocator | *C*

- Created a memory allocator using an explicit free list, leveraging concepts such as structs, pointers, macros
- Conducted tradeoffs to determine the most optimized algorithmic implementation for memory utilization

Date Kit ([learn more](#)) | *CSS, HTML, JavaScript, JQuery*

- Won "Most Heartfelt Hack" with our application that helps couples come up with unique date ideas
- Features a date planner and date spinning wheel