

SHAWN CHO

shawncho2000.github.io
linkedin.com/in/shawncho00

@ sycho00@cs.washington.edu

425-628-3999

Seattle, WA



EXPERIENCE

Software Engineer

UW SEAL

June 2020 – Ongoing

- Worked in team Sudoku of UW SEAL, using Javascript and Google Scripts to automate and gamifying the organization process of the lab.
- Implemented the "Sudoku score" that automatically calculates the progress and organization of different teams in the lab.
- Used Google and Slack API to automatically message for members who are AWOL.
- Working on a dedicated app and revamping the lab website.

Software Engineer/Tutor

Kumon

June 2019 – Ongoing

Seattle, WA

- Created an automated system for workers to make the transition to on-line classes easier using Google Scripts.
- Implemented a system that automatically tracks hours for employees, reminds them to fill out report, and emails late students.
- Taught math and reading to more than 10 students per day ranging from kindergarten to high school both in-person and online.

Network/Computer Engineer

Cisco

July 2018 - July 2019

Bellevue, WA & Antigua and Barbuda

- Worked with Rotary International and the government of Antigua and Barbuda to bring computers and internet to remote schools in the island of Antigua.
- Setup around 2000 laptops, computers, switches, and routers across different schools.
- Manually repaired 200+ broken donated computers and prepared them to be used in rural schools.

PROJECTS

Campus Route Finder

- Used Dijkstra's algorithm in Java to find the minimum distance between two buildings in the UW campus.
- Used React and Javascript to develop a website that displays the map and the route to be taken.

Chess Bot

- Created a chess bot that calculates up to four moves ahead and recommends the best move in less than 200 milliseconds using parallel processing in Java.

Android Drawing App

- Created a drawing app with a color wheel picture, undo, redo, and erase functions with Android Studio.
- Equipped accessibility tools such as text to speech and different color picker options for voice users.

Similar Document Finder

- Used Locality Sensitive Hashing (LSH) in Python to create a program that searches for similar documents by calculating the similarities between documents.

QUICK FACTS

- 12 CSE Related Courses
- 3.41 College GPA
- 250+ Community Service Hours

NOTABLE CS CLASSES

- CSE 332 (Data Structures and Algorithms)
- CSE 340 (Android Interaction Programming)
- CSE 331 (Software Design and Implementation)
- CSE 351 (Hardware/Software Interface)
- CSE 344 (Introduction to Data Management)
- CSE 154 (Web Programming)

SKILLS

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|----------------------|---|---|---|---|---|
| Java | ● | ● | ● | ● | ● |
| Python | ● | ● | ● | ● | ● |
| Google Script | ● | ● | ● | ● | ● |
| HTML/CSS | ● | ● | ● | ● | ● |
| JavaScript | ● | ● | ● | ● | ● |
| Swift | ● | ● | ● | ● | ● |
| C/C++ | ● | ● | ● | ● | ● |
| SQL (Winter 2020) | ● | ● | ● | ● | ● |
| XQUERY (Winter 2020) | ● | ● | ● | ● | ● |
| IntelliJ | ● | ● | ● | ● | ● |
| VSCode | ● | ● | ● | ● | ● |
| Xcode | ● | ● | ● | ● | ● |
| Android Studio | ● | ● | ● | ● | ● |
| Git | ● | ● | ● | ● | ● |
| Linux | ● | ● | ● | ● | ● |
| AWS | ● | ● | ● | ● | ● |
| Heroku | ● | ● | ● | ● | ● |
| LaTeX | ● | ● | ● | ● | ● |
| x86 Assembly | ● | ● | ● | ● | ● |

EDUCATION

B.S. in Computer Science

University of Washington - Seattle

Expected Graduation Spring 2023

Newport High School

Sept 2015 – June 2019

LEADERSHIP EXPERIENCE

Robotics Team Captain

- Led a high school robotics team for four years

Robotics Team Coach

- Formed and coached a middle school robotics team

Tennis Team Captain

- Captain of high school tennis team