

EDUCATION

B.S. Computer Science

University of Washington – Seattle, WA

Expected Graduation: June 2021

GPA: 3.65

Skills:

Java, C/C++, bash, Python, SQL, NoSQL, Swift

HTML, CSS/Bootstrap, JavaScript, React

A.S. Associate in Science Transfer

Shoreline Community College – Shoreline, WA

Graduated: June 2019

GPA: 3.95

Coursework:

Foundations of Computing, Hardware-Software Interface

Data Structures, Systems Programming

Software Design, Database Management

Coursework:

Java Programming, Python Programming,

Public Speaking, Calculus Series, Physics Series

PROGRAMMING PROJECTS

Mini Search Engine

January - March 2020

- Search Engine made with C/C++ to send files on the server over the network.
- Used Linked Lists and Hash Tables implemented in C to store word positions in memory.
- Supports multiple users using the search engine by utilizing threads on the server.
- Created a simple user interface using HTML.

HuskyMaps

January - March 2020

- Google-Maps like Java application to find shortest-path direction from one location to another using OpenStreetMaps and MapBox API covering the Seattle Area.
- Implemented with autocomplete feature for looking up location names.
- Used Dijkstra's algorithm to carve navigation directions through points consisting of a longitude and latitude
- Used a 2-D Tree for efficient search on locations.

Pong

May 2019

- Created the game "Pong", written in Java. Used Swing to create panels and labels.
- Learned how to implement and use Java Swing to create moving objects and GUIs.

Sudoku Solver

January – February 2019

- Implemented a sudoku solver that takes in .sdk and .ss files as input and outputs the solved puzzle.
- Explored recursive way and depth-first-search way of solving the puzzle.
- Learned and used recursion as a way of solving the puzzle.

OTHER EXPERIENCE

Research Assistant | Nanyang Polytechnic

February 2016 – June 2017

- Worked with a professor and a group of students in Nanyang Polytechnic in Singapore to write a paper about the Science Behind a Good Presentation while taking classes in Secondary School.
- Given the opportunity to present the project in a Symposium held to the school that was viewed by members of Nanyang Polytechnic's faculty as well as Zhonghua Secondary School's faculty.
- Learned various researching skills such as the ability to pick out credible peer-reviewed scientific journal articles from the mentor and my teammates.