

Education

Bothell, WA	University of Washington	Fall 2016-June 2020
3.81 GPA Annual Dean's List 2016-2017; Annual Dean's List 2017-2018 B.S. in Computer Science & Software Engineering Currently enrolled in: Hardware and Computer Organization, Analysis and Design Past enrollments: Operating Systems, Database Systems, (Data Structures, Algorithms, and Discrete Math I & II), Space Operations & Systems Engineering, Software Engineering, Management Principles for Computing Professionals, Programming Issues with OOP Languages, Technical Writing for Computing Professionals		

Projects

MySQL Vaccine Database	July 2018 – August 2018
Designing and implementing a database with MySQL for tracking patient, hospital, staff, and vaccine data. Built Object Role Modeling and Logical Data Model diagrams to examine and design pertinent entities for the database. Created and designed a web application using HTML, CSS, and PHP to connect and display database data and allow for data manipulation.	
File System in Java	July 2018 – August 2018
Implemented a file system command processor based of the original file system in Unix. The user is able to format, create, modify, delete blocks, and delete files. It implements three primary data structures: bit-map to represent a disk, Inode list, and map of files on disk. Implements a simple command processor that parses command strings and redirects to the given command.	
Shell Terminal for an Operating System Simulator	June 2018
Implemented a simple shell for ThreadOS, which is an operating system simulator that is in the process of being fully implemented for CSS 430. The program can take multiple commands and parses commands using specific delimiters that definite the time at which the process should be run.	
Dijkstra's Shortest Path on Old Republic Speedways	May 2018 - June 2018
Created a graph based on planets from Star Wars in which ten ships act as transit and implemented Dijkstra's algorithms to find to find the shortest path to particular planets. Wrote a python script that created routes for the ten ships that visited various planets. Wrote bash shell scripts to test the program for accuracy.	
File Compression/Decompression using Huffman Coding Algorithm	May 2018
Implemented a priority queue that holds contents of a text file and creates a Huffman Tree. Using bit manipulation, created a symbol of coded symbols and wrote pertinent information for the encoded file. Implemented a decoder that recreated the original file using a personal implementation of a bit writer.	

Experience

Macy's Fine Jewelry	June 2016-Current
<ul style="list-style-type: none">Worked as a Fine Jewelry Consultant in the Fine Jewelry DepartmentLearned about various intricacies of the jewelry business this includes product knowledge on precious stones, precious metals, and fine watchesManaged an over a million-dollar inventory on a day to day basisWorked with customers on different levelsTrained new associates within the departmentImproved to be more efficient in our inventory control process	
Robot U Teacher's Assistant	2015-2016
<ul style="list-style-type: none">Taught 4th Grade students the basics of programming in Lego Mindstorms EV3 Programming SoftwareAnalyzed and debugged code to aid student understanding of the fundamentals of visual programmingSupervised and helped students who needed directions on building the robotProvided directions and assisted with the predefined project	
Mars Electronics, Redmond, WA	2013-2015
<ul style="list-style-type: none">Worked as mobile electronics technicianDirectly interacted with customers in diagnosing problems and issues with their electronics devices.Worked with senior technician to solve issues related to software and hardware in wide range of devices.Flashed mobile devices to the latest softwareReplaced broken screens and fixed issues related to charging ports and volume control	

Languages & Systems

Advanced	Intermediate	Familiar
Java, C++, Python, Git	C#, Pygame, Linux, Bash Scripting, HTML, MySQL	C, CSS, JavaScript, PHP