

# Son Vu

Hillsboro, OR

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## Education

### Portland State University

M.S. IN COMPUTER SCIENCE, GPA: 4.0

- Courses: Full Stack Web Development, Agile Software Development, Artificial Intelligence, Concepts of Operating Systems

Portland, OR

Expected: 2020

### Portland State University

POST-BAC IN COMPUTER SCIENCE, GPA: 3.8

- Courses: Data Structures, Programming Systems, Algorithms Design and Analysis, Programming Languages, Operating Systems

Portland, OR

2017-2019

### University of Oregon

B.S. IN BIOCHEMISTRY

- Diversity Excellence Scholarship Recipient

Eugene, OR

2012-2016

## Skills

### Programming Languages

C/C++, Java, Python, Javascript

### Familiar With

HTML, CSS, Node.js, Source Control (git), Agile, OOP, jQuery, Bootstrap, Linux/Windows, LaTeX

### Languages

English and Vietnamese

## Projects

### SFTP Client Application

- Utilized Agile methodology, Git, and Python 3 in a team of 6 to develop a command line interface SFTP client.

2019

### xV6 Operation System

- Improved OS scheduling by converting from Round Robin to Multi-level Feedback Queue scheduling.
- Improved process management of the OS scheduler by separating the processes by its process state.
- Implemented additional system calls and console control sequences.

2019

### Convex Hull

- Successfully proved Quick-hull is more time efficient than Brute Force through interpreting and analyzing data sets.
- Utilized JavaScript, Jest testing framework, and Atom IDE for development.

2018

### Chocoholics Data Processing Software

- Generated requirement documentation, reports, test plans in a team of 5 to development software that meets client's demands.
- Utilized source control (git), unit testing (Google Test Framework), and C++ to develop the software.

2018

### Academic Course Plan

- Created a program in C++ using Depth-First Search and Topological Sorting algorithms that allows students to develop an academic course plan.
- The program utilized a graph data structure through using arrays of LLLs.

2017

## Experience

### Portland State University

COMPUTER SCIENCE TUTOR

- Tutor lower division CS students in object-oriented programming, discrete structures, x86 assembly, and discrete math.
- Help students in debugging, trouble-shooting, and designing programming assignments in C, C++ and Java.

Portland, OR

Apr. 2019 - PRESENT

### McDonald's

CREW MEMBER

- Helped familiarize new employees with restaurant's protocols and practices

Cedar Hills, OR

Jan. 2017 - Sept. 2017