

## EDUCATION

### Portland State University

M.S. Computer Science 2019

GPA: 3.95/4.0 (Bacc CS GPA 4.0)

**Relevant Coursework:** Data Structures, Software Engineering, Operating Systems, Algorithms, Agile/XP, Computational Structures, Internetworking Protocols, Intro Database Mgmt.

### Oregon State University

B.S. General Science 2014

GPA: 3.99

Summa Cum Laude; Top 10% College of Science

## PROJECTS

### Google Chrome Extension: SoundFound

Dec. 2018 to Jan. 2019

Developed and published chrome extension SoundFound. A light weight extension that helps users quickly locate and manage audible tabs.

### Hiking Weather App

May 2019 to June 2019

Full stack web application that allows one to search for local hike trails along with the associated weather information

### 2019 MIT Battlecode

Jan. 2019 to Feb. 2019

Participant for MIT's programming competition. Challenge involves generating AI to win strategic battles against other bots.

## ACADEMICS

### Notable Academic Projects

Sept. 2016 to Current

- Created Hexapawn chess AI bot using Adversarial Algorithms
- Worked with AI search algorithms such as A\*, Minimax (w/ pruning), and Genetic Algorithms
- Simulated IMDb database with popular movies using postgresQL
- Created an Internet Relay Chat system which allows local users to communicate via "virtual" rooms
- Created an image manipulation program in Rust with various features
- Added a series of special processes such as scheduling and memory management to xv6 operating system
- Developed a role-playing Minesweeper game using Agile software development
- Analyzed Big-O time complexities of various search algorithms using automated testing
- Incorporated object-oriented and procedural programming paradigms
- Implemented lists, trees, heaps, priority queues, graphs, sorting, abstract data types and hashtables

## SKILLS

**LANGUAGES:** Python, Java, C++, C#, C, Javascript, HTML, CSS, SQL, Rust

**SOFTWARE:** Atom, Visual Studio, Git, PuTTY, IntelliJ, Linux/Unix

**OTHER:** Versatile leadership ability and excellent communicator