SUNANTH SAKTHIVEL
SOFTWARE ENGINEER

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EDUCATION

Portland State University
M.S. Computer Science 2020

GPA: 3.93/4.0 (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. 2019 to Jan. 2019

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

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: C, C++, C#, Python, Java, Javascript, Scala, HTML, CSS, SQL, Rust, Haskell, Markdown
SOFTWARE: Atom, Visual Studio, Git, PuTTY, intellij, Linux/Unix
OTHER: Versatile leadership ability and excellent communicator