ANDREW SMITH

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OBJECTIVE

Software Engineer with 1 year of internship experience in Java, seeking Software Engineering Internship roles.

EDUCATION

Bachelor of Science in Computer Science & Engineering, The Ohio State University   Expected 2024
Relevant Coursework: Web Applications, Operating Systems, Algorithms and Data Structures.

High School, William Mason High School   2016 - 2020
Graduated with Honors (Summa Cum Laude)

SKILLS

Programing languages	Rust, C, C++, x86-64 Assembly, WebAssembly, JS, Java, Ruby, Python, Matlab
Tools	Git, Github, Mercurial, Phabricator, Make, CMake, webpack
UI Frameworks	Java Swing, ReactJS, GatsbyJS, Ruby on Rails

EXPERIENCE

Software Engineering Internship   May 2022 - Aug 2022
MIM Software   *Cleveland, OH*

- Worked with a team to develop a desktop application using Java Swing
- Learned to work with a large codebase
- Developed a debugger to be used by the application's scripting program

PROJECTS

LALR Parser/Interpreted language Built a Look-Ahead Left-Right parser in C++ which makes heavy use of templates. Used the parser to make a simple scripting language with a C style syntax. (smiths.dev/parser)

Sudoku Solver Built a sudoku puzzle solver in Rust using heuristics. (smiths.dev/sudoku)

Switch Controller Built a program able to control a Nintendo Switch from a computer with the help of an Arduino Uno using C and C++. Additionally the program has the ability to capture and playback user input. The program also uses FFmpeg to capture video and audio data from the Nintendo Switch and do video and audio processing to automate actions.

EXTRA-CURRICULAR ACTIVITIES

- Participated in 2020 and 2021 Hack OHI/O hackathon
- Member of The Ohio State University Chess Club
- Member of an intramural soccer league
- Play the Viola and Piano

LEADERSHIP

- Attended National Youth Leadership Training (NYLT)
- Attained the rank of Eagle Scout