

# ANDREW SMITH

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## OBJECTIVE

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I am Software Engineer with deep knowledge of C++, Java and Python looking for interesting opportunities to learn and grow as a developer.

## EDUCATION

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<b>The Ohio State University</b>	2020 - 2024
<i>Bachelor of Science in Computer Science &amp; Engineering, Software Engineering Option</i>	<i>Columbus, OH</i>
Relevant Coursework: Web Applications, Operating Systems, Algorithms and Data Structures, Computer Architecture, Databases, Assembling, Linking, and Loading, Programming Languages	3.87 GPA
<b>William Mason High School</b> , Graduated with Honors	2016 - 2020

## EXPERIENCE

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<b>Software Engineering Internship</b>	May 2022 - Aug 2023
<i>MIM Software</i>	<i>Cleveland, OH</i>
Developed medical software with a team using Java Swing.	
Gained experience with UI development, multithreading and algorithms.	

## SKILLS

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<b>Programing languages</b>	Java, C/C++, C#, Rust, x86-64 asm, SQL, JS, Ruby, Python, Haskell, Scheme
<b>Tools</b>	Git, Github, Mercurial, Phabricator, Make, CMake, Maven, Unity, webpack
<b>UI Frameworks</b>	Java Swing, ReactJS, GatsbyJS, Aurelia, Ruby on Rails

## PROJECTS

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- **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.
- **Sudoku Solver** Built a sudoku puzzle solver in Rust using heuristics.
- **Switch Controller** Built a program able to control a Nintendo Switch from a computer using an Arduino Uno and C/C++. The program uses Video/Audio processing to automate playing a game.
- **Graphics Pipeline** Built a software graphics pipeline from scratch in C++, implementing a rasterizer, vertex and fragment shaders, and a texture mapper.

## LEADERSHIP

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

## EXTRA-CURRICULAR ACTIVITIES

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- Hack OHI/O hackathon
- Ohio State University Chess Club
- Viola and Piano