

Samuel Harper

Columbus, OH • (513) 630-2185 • samuelharper@gmail.com • samharper.net • github.com/sharper2

EDUCATION

The Ohio State University

Columbus, Ohio

- Pursuing a B.S. in Computer Science & Engineering, Specializing in Computer Graphics & Game Design.
- GPA: 3.41

Expected: May 2028

PROJECTS

Temporal Stasis

March 2026

2D Puzzle Platformer made in Unity for Game I/O, a two-week game jam at OSU

- Programmed core gameplay systems in C# including time enemy behavior, player interaction, and time stopping
- Designed initial levels around central time-stop mechanic, balancing puzzle complexity with player progression
- Collaborated with a team of 4 from ideation through release, contributing to game concept, level design, and visual effects

Super Mario Bros. 3 Recreation

January 2026 - Present

CSE 3902 Game Development class project made using MonoGame and C#

- Collaborated in a team of 4 using Git for version control, applying object-oriented and Agile design principles
- Implemented core engine systems like collision from scratch, without relying on a full game engine
- Recreated the full first level of Super Mario Bros. 3 with accurate physics, animations, and general gameplay

Portfolio Website

January 2026 - Present

Portfolio Site made using Astro, HTML, CSS, and JavaScript

- Built and deployed a personal portfolio using Astro, HTML, CSS, and JavaScript, hosted via GitHub Pages

SKILLS

- **Programming Languages:** C#, Java, JavaScript, C, Assembly, HTML, CSS
- **Software:** Unity, MonoGame, GameMaker, Onshape (CAD)
- **Software Practices:** Object-Oriented Design, Version Control (Git, SVN), Agile
- **Leadership & Communication:** Public Speaking, Team Coordination, Curriculum Development

WORK EXPERIENCE

Code Instructor

July 2022 – January 2024

Code Ninjas

Cincinnati, Ohio

- Taught programming fundamentals to students aged 8–14 using JavaScript, Microsoft MakeCode, C#, and Scratch
- Led after-school coding programs at local elementary schools, fostering STEM engagement in young learners
- Restructured Unity curriculum materials to improve lesson effectiveness and resolve instructional issues

Retail Sales Associate

Summer 2024 & Summer 2025

Staples

Cincinnati, Ohio

- Assisted customers with tech troubleshooting, hardware and software setup, and product recommendations

EXTRACURRICULARS

Member, The Ohio State University Marching Band

June 2025 – Present

- Selected as 1 of 8 new trombonists through a highly competitive audition process
- Learned and performed 8 original shows under tight weekly deadlines, displaying musical and marching excellence in live performances for audiences of 100,000+
- Collaborated with a 200+ member ensemble, adapting quickly to feedback during rehearsals