

Ben Chermshire

Ardmore, PA • bchermside@gmail.com • 484.862.2833
[GitHub](#) • [LinkedIn](#)

Ambitious Computer Science graduate and aspiring software engineer with project experience spanning Machine Learning, game development, and novel applications. Intellectually curious with effective communication, collaboration, and listening abilities.

EDUCATION

BA, Computer Science and Mathematics, Oberlin College - Oberlin, OH (2025) GPA: 3.27

- Notable Classes: Introduction to Computer Science, Data Structures, Systems Programming, Algorithms, Cryptography, Applied Machine Learning, Database Systems, Human Centered Security, Human Computer Interfaces, Algorithmic Game Theory (Favorite)

SKILLS

Python, Java, C, JavaScript, HTML/CSS, SQL, Racket, Machine Learning, scikit-learn, Linux, VS Code, relational databases (MySQL), web development, mathematics and statistics, software performance optimization

PROJECTS

- **Motivation Website** ([repo](#), [live site](#)) - Created a web application in JavaScript, PHP, and SQL designed specifically to provide task scheduling to motivate users with ADHD and autism.
- **Super Team** ([repo](#), [live site](#)) - Built a browser-based, single-player deck building game using JavaScript and HTML/CSS with dynamic animations where users recruit a deck of superheroes to defeat villains.
- **AI Generated Music** ([repo](#)) - Leveraged Python and its Machine Learning libraries (i.e. Scikit-learn, PyTorch) to generate Swedish folk music by training a system using a database of existing sheet music.
- **Ant Wars** ([repo](#), [live site](#)) - Developed a two-player game in JavaScript where players control ant colonies, scavenge for food, and try to overrun other colonies.
- **Advent of Code 2024** ([repo](#)) - Completed multiple programming challenges using Python.
- **Map Prototype** ([repo](#)) - Created an interactive map of the Oberlin campus in Python that enables users to view and navigate campus and plot routes to classrooms, built using TKinter and TKintermapview.
- **Mortal** ([repo](#), [live site](#)) - Built a browser-based game in JavaScript and HTML/CSS that is a more complex, multi-round version of the classic "Rock, Paper, Scissors" (aka Rochambeau) game.

WORK EXPERIENCE

Summer Camp Counselor, YMCA

Summer 2023

- Performed various tasks at a YMCA summer camp in Haverford PA for children aged 4-13.