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Education

Madison WI

University of Wisconsin

Sept 2020 - April 2024

- B.S in Computer Science and Data Science. **GPA: 4.0**
- Undergraduate Coursework: Programming 2, Programming 3, Intro to Computer Engineering, Data Programming 1

Projects

Nes Emulator (In Progress): C++, SDL2

- Working on emulating the NES game console architecture
- Currently have a cycle accurate 6502 CPU implementation

Maze Generator/Pathfinder: Html, Css, Js, React

- URL: everythingmazes.netlify.app
- Webapp that visually demonstrates 10 generation algorithms and 6 pathfinding algorithms
- Easy to use controls and visually appealing visualizations

Conway's Game of life: Html, Css, Js, Flask, Python

- Interactive implementation of GOL on a toroidal array
- Easy to use controls with a speed controller and generation counter

Chip 8 Emulator: C++, SDL2, Python, Pygame

- Implemented 2 Chip8 emulators
- Can run various ROMs such as Pong or Tetris

Languages and Technologies

- Html, Css, Javascript, Java, Python, C++
- Git, Github, Linux, Vim, Vscode, Eclipse