Izaak W. White

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EDUCATION

Ohio University, Russ College of Engineering | Athens, Ohio May 2026
Bachelors of Computer Science
Cyber Security Certificate
GPA: 3.91

EXPERIENCE

Academic Coach | Ohio University | Athens, Ohio January 2024 – Present

- Managed 5 students at once and guided them to successful academic careers communicating weekly through meetings and assisted in their journey to getting off academic probation by teaching students organization skills
- Communicated with multiple university services effectively to get students the accommodations they need
- Lead 2-hour long presentations to crowds of 100s of students discussing academic probation policies

Research Assistant | Ohio University | Athens, Ohio May 2024 – August 2024

- Researched hardware security utilizing Course Grained Reconfigurable Arrays in order to solve a CVE
- Acquired proficiency with 4 new tools very quickly (PyMTL3, OpTiMSoC, VectorCGRA, Vivado) to aid in research productivity
- Communicated with leading professors and presented my findings in PowerPoint and Overleaf for weekly deliverables

RELEVANT PROJECTS

Software Tools and Development | Ohio University | Athens, Ohio January – May 2024
Wordle Clone

- Full stack development of 'Wordle' utilizing JavaScript, React, Node, Tailwind CSS, HTML, and Supabase for our API/DataBase
- Worked with a team and utilized many GitHub features: workflows, branches and reviewing merges
- Made UML diagrams, presentations, and unit tests using Jest for out presentations
- Created other pages and minigames on our hosted website (wordlemaxxers.com/home)
- Made an algorithm that could solve Wordle puzzles

Computer Engineering | Ohio University | Athens, Ohio May 2024
MIPS Assembly ran CPU

- Utilized Verilog to simulate a CPU that could run MIPS assembly code single handily
- Familiarized myself with computer architecture which helped me grasp what goes down at the lower level of computation allowing me to write more efficient code.

TECHNICAL SKILLS

Languages: C++, C, ASM, Java, JavaScript, Python, TrueBasic, OCaml,, MIPS Asm, PIC Asm
Front End: CSS, HTML, React, Figma
Back End: Node.js, Git, Linux, Supabase API
HDLs: Verilog, System Verilog, PyMTL3
Tools: VSCode, Visual Studio, Vivado
Other: LaTeX, CMake