

WILLIAM R. HOLSCHUH

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SKILLS/RELATE COURSEWORK

Languages: Intermediate experience in C++, Python, TCL/TK, and GCODE.

Beginner experience in HTML and SQL/SQLite.

Technologies: Visual Studio, AutoCAD, Adobe Suite

Key Projects:

- Automated Welder integration to follow tool path and weld product with coded configurations, operated by user via GUI.
- School planner application that keeps track of assignments entered, classes, and daily tasks.

Related Coursework: Web Page Design, Tools for Computer Engineering, Logic, Discrete Math, Digital Logic Design, Computer Science I & II, Computer Systems.

WORK EXPERIENCE

5/2018-8/2021 Engineering Intern | Grimm Scientific Industries

- Built and repaired intricate circuit boards for hydrotherapy tubs and other sport hardware.
- AutoCAD work for hydrotherapy tub user manuals, room layouts, and waterproof control panel design.
- Attended meetings and implemented opinions on design of a new control panel for hydrotherapy tubs, which helped with final design.
- Managed and updated inventory databases for old and new stock, managed requisitions.

6/2022-Present Computer Science/Engineering Intern | Cleveland Electric Labs

- Designed and coded an application for an automated welder that follows a tool path based on size of product chosen within program. Used GCODE, TCL/TK, and Python to achieve overall functionality for the application.
- Worked with mechanical engineer to plan, design, and troubleshoot the automated welder program.
- Conducted research on serial/Modbus communication between welder and program to help implement welder amperage, and gas flow control via program.

EDUCATION

- 8/2016 - 5/2020 High School Diploma, Marietta Ohio, Marietta *High School*
GPA: 3.1
- 8/2020 - Present Bachelors in computer science, Akron Ohio, University of Akron
Current GPA: 3.3 | Expected to Graduate: December 2023

HONORS/AWARDS

- Honor Roll 3.5 GPA – 3.99 GPA
- Merit Roll 3.00 GPA – 3.49 GPA
- Science Olympiad Awards

LEADERSHIP IN COMMUNITY SERVICE

- 100,000 Meals for Washington County (Washington County Homeless Project)
- Consistent community service from Fall 2020 – Spring 2022 for Sigma Alpha Epsilon at: Haven At Rest Homeless Shelter, Akron-Canton Foodbank, and the University of Akron.