

Sam Hoekwater

http://www.samhoekwater.com

Email : samuelhoekwater@gmail.com

Mobile : +1-616-741-1893

EDUCATION

- **University of Michigan** Ann Arbor, MI
BSE in Computer Science; GPA: 3.43 *Aug. 2019 – Apr. 2023*

EXPERIENCE

- **Lockheed Martin Co.** Fort Worth, TX
Software Engineer *Jul 2023 - Present*
 - **Optimized Avionics Test Station Software:** Developed and maintained universal software using C and C++ to streamline avionics simulations for the Integrated Fighter Group Program, reducing cross-program redundancy and improving codebase efficiency.
 - **Enhanced Pilot Simulation Interfaces:** Designed and implemented GUIs that accurately simulate pilot interactions with avionics subsystems, improving test accuracy and contributing to more realistic test scenarios.
 - **Developed and Integrated Classified Radar Model:** Led the full life cycle development of a classified radar model, collaborating with customers to meet project specifications and deadlines. Successfully integrated model into seamless communication with mission computer software.
- **Dematic Inc** Grand Rapids, MI
Software Engineer Intern *May 2022 - Aug 2022*
 - **Developed Cost-Saving Sortation Simulator:** Created a sortation simulator replicating the company's package sorting processes, enabling engineers to test tools without using live stations, resulting in significant cost savings during development phases.
 - **Collaborated With Team:** Learned valuable communication skills working with other interns and the team to gain comprehension of a vast codebase.
- **Floor Care Concepts** Wyoming, MI
Crew Leader *Jun 2019 - May 2022*
 - **Leadership and Management:** Led a team of 3-5 employees in completing gym floor refinishing projects, ensuring on-time delivery and high-quality results, while managing workflow and resolving on-site issues.
 - **Customer Relationship and Communication:** Interfaced with customers, providing timely updates on project progress and ensured customer satisfaction by addressing concern and managing expectations.

PROJECTS

- **Instagram Web Application Clone:** A web application where users can create an account, post images with captions, follow other users, and like their posts.
- **Western Platform Shooter Game:** Play as a cowboy and battle the alligator men in a game made using the Godot game engine.
- **Search Engine:** Web server taking queries and searching vast database of web pages using a map reduce pipeline for scalable and timely results.

ACTIVITIES & LEADERSHIP

- **Code Quest Academy:** Volunteered tutoring students in Hazelwood High School, MO. Led the class and taught how to solve coding problems in Python.
- **Social Chair for Phi Alpha Kappa Fraternity:** Managed the fraternity social budget of \$4200 per semester. Planned and organized multiple philanthropic events, raising thousands of dollars for hurricane relief and human trafficking prevention.
- **Feeding America:** Helped distribute food to people in the impoverished areas of Hudsonville, MI.

SKILLS & OTHER

- **Languages:** C++, Python, Javascript, SQL, HTML, CSS **Technologies:** Linux, Git, VMWare, Bash/Shell
- **Security Clearance:** Secret level security clearance (2023 - Present)