Jack Kurth

jmkurth@mtu.edu • (832) 504-1469 • www.linkedin.com/in/jkurth0 • https://github.com/JKurth08

A third-year Computer Science student searching for a Summer 2026 internship/ COOP

Education

Michigan Technological University   Expected Apr 2027
BS, Computer Science, GPA 3.4
Honors**:** Presidential Copper Scholars

Skills & Certifications

- **Programming and Development:** Python, C, C++ , Java, JavaScript, HTML, CSS, PHP, SQL
- **Tools and Technologies:** Git, Github, Jira, basic hardware troubleshooting, automation machinery
- **Systems:** Linux (Kali, Ubuntu, CachyOS), Mac, Windows

Work History

Team Supervisor, Edward C Grace Memorial Harbor   Summer 2025
- Diagnosed and resolved real-time operational issues at a nationally ranked marina (6th in the USA)
- Acted as a first responder during maritime emergencies; collaborated with the Coast Guard and the sheriff's department
- Led team coordination, scheduling, and customer service in a high-traffic environment

Assembly Worker, Shorts Brewery   Summer 2024
- Operated and maintained complex packaging equipment, including canning and kegging systems
- Gained exposure to PBD PLC programming and automation processes
- Troubleshot hardware and software issues to minimize downtime

Project Experience

Technical Portfolio Website   Jan 2026
Tools: React, Javascript, CSS, Vite, Node.js, npm, ESLInt, HTML5
- Gained experience in full stack development using React and Vite
- Node package manager experience
- https://jkurth08.github.io/Portfolio-OS/

C Applications   May 2025
Terminal Emulator, Interpreter and Ray-Caster
- Built custom software and something that I use everyday
- Implemented command parsing, input/output handling, and process control
- Built a 'Doom' style ray-caster featuring custom graphics and interactive environments

Python Based Applications   Nov 2025
Machine Learning, Blockchain API, Weather Application
- Restful API maintenance experience
- Tensorflow and Pytorch
- Fully functioning Weather App frontend/backend with API integration

AI-Powered Web Scraper   Jul 2025
Tools: Python, Bash, Git
- Implemented personal software that runs locally
- Solved a problem; I needed a custom parser so I made one
- Automation, data collection, and real-world AI integration with openAI

Leadership & Involvement

Vice President, Kappa Delta Psi   2024 - Present
- *Board of Control, Handling* Judicial Affairs, *Overseeing* officers, *Organizing* events for brotherhood

MTU Snowboard club   2023 - Present
Copper Country Cycling Club   2023 - present