Henry S. Trowbridge

htrow@henrycodes.xyz | 808-499-9943 | Portfolio | LinkedIn | GitHub | Columbus, OH / Chicago, IL

Mission

I am a passionate and diligent college student seeking summer internship opportunities to work in technology. I wish to apply my special interests in cybersecurity, web development, technology consulting, and the Chinese language in the workforce to obtain career skills and provide needed IT services.

Education

B.S. Computer and Information Science (Specialization: Information & Computational Assurance); Second Major: Chinese
The Ohio State University, Columbus, OH: August 2022 - Present

- Dean's List all 6 completed semesters (3.88 GPA)
- Core technical coursework: Java, C, Web Applications, Data Structures and Algorithms

Work Experience

Undergraduate Research Assistant (Industrial Cybersecurity)
The Ohio State University's Center for Design and Manufacturing Excellence, Columbus, OH: May 2025 - Present

- Assisted research projects with real-world development and team-building
- Employed Agile development sprints and professional Excel and presentation editing work
- Helped Ohio small businesses by working on cybersecurity education projects

Classroom and Digital Union Support Technician
The Ohio State University, Columbus, OH: March 2025 - Present

- Helped teach and support faculty and students working with classroom technology as problems arose
- Troubleshot and fixed mission-critical classroom tech systems, including regular technical maintenance on classrooms

Accounting Intern Jeffrey W. Krol & Associates, Ltd., Chicago, IL: June 2023 - August 2023; May 2024 - July 2024

- Created Excel spreadsheets with advanced formulas for accounting reports
- Reset and managed office computer systems; provided technical support
- Managed bookkeeping tasks with Quickbooks and Microsoft Excel, Access, and Word

Technical Projects

Henry Codes (Live-Hosted): GitHub, January 2025

- Self-hosted NGINX web server for personal portfolio on Debian 13 with SSH (ED25519) supported and UFW (firewall)
- Configured DNS and PHP instance, with Cloudflare for DDOS protection

JS-Calc (Live-Hosted): GitHub, March 2025

- Interactive web-calculator implemented with a recursive descent parser and a responsive front-end

Hack OHI/O 12: AEP Challenge: GitHub, October 2024

- Analyzed CSV data with Python (Pandas, Plotly) in a virtual environment
- Used Meta's Llama 3.2 (local via Ollama) to filter high-risk, high-energy events

Extracurricular Activities

Vice President (Former President), Buckeye Table Tennis Club | Columbus, OH, Aug 2022 - Present: Managed club logistics and competition preparation
Member, Cybersecurity Club | Columbus, OH, Nov 2022 - Present: Explored cybersecurity practices through presentations and meetings
Member, Open Source Software Club | Columbus, OH, September 2024 - Present: Advocate for Linux and open-source tools

Skills

Programming Languages: Java, C, Ruby, Python, x86-64 Assembly, SQL (Novice)
Web Development: HTML, CSS, JavaScript, PHP
System Administration & Security: Linux (Debian, RHEL), SSH (OpenSSH), NGINX, UFW, Cloudflare, FreeBSD (Novice)
DevOps & Tools: Git, Docker, Podman (Novice), Containerized Development
Programming Concepts: Object-Oriented Programming, Procedural Programming, Data Structures and Algorithms
Professional Skills: Bookkeeping, Microsoft Excel, Communication, Adaptability
Languages: English (fluent), Chinese (intermediate)