Henry S. Trowbridge

henry.trowbridge2@gmail.com | 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 5 semesters (3.94 GPA)
- Core technical coursework: Java, C, Web Applications, Data Structures and Algorithms

Work Experience

Classroom Support Technician
The Ohio State University, Columbus, OH March 2025 - Present

- Helped teach and support faculty working with classroom technology as problems arose
- Troubleshot and fixed mission-critical classroom tech systems
- Provided 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 with Quickbooks and Microsoft Access

Technical Projects

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

- Self-hosted NGINX web server for personal portfolio on Debian 12 with SSH (ED25519) supported and UFW (firewall)
- Configured DNS and Cloudflare for PHP instance with DDOS protection

OPRF Games (Live-Hosted): GitHub, September 2018 - May 2021; January 2025

- Built PHP/JavaScript games web site; modernized in 2025 with Ruffle Flash emulator

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

- Parsed 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

Table Tennis Simulator: GitHub, February 2024 - April 2024

- Built Java OOP model for table tennis players of equal skill and realistic scoring

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