Henry S. Trowbridge

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Objective

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 coursework: Java, C, Web Applications, Data Structures and Algorithms

Work Experience

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 on Debian 12 with SSH (ED25519) 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 site; modernized in 2025 with Ruffle Flash emulator

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 energy events

Table Tennis Simulator GitHub, February 2024 - April 2024

- Built Java OOP model for table tennis game 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, Container 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)