Henry S. Trowbridge (喬念唐)

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Mission

I am a passionate and diligent college student seeking summer internship opportunities working with 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 technical services.

Education

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

- Dean's List all 7 completed terms (3.88 GPA)
- Core technical coursework: Java, Operating Systems, 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 by managing projects and developing software deliverables; employed Agile development sprints using the scrum methodology
- Met with clients frequently to ensure deliverables were as expected
- Worked with professional Excel and professionally edited presentations

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

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

Accounting Intern (Two Summers) 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 (locally-run via Ollama) to filter a data set for high-risk, high-energy events

Extracurricular Activities

Vice President (Former President), Buckeye Table Tennis Club | Columbus, OH, Aug 2022 - Present: Managed club practices and competition preparation
Vice President, Global Learning & Exchange Association | Columbus, OH, Jun 2025 - Present: Helped organize cultural learning and exhcange events for Chinese-speaking international students and citizens alike **Member, Cybersecurity Club** | Columbus, OH, Nov 2022 - Present: Studied cybersecurity and improved skills with CTFs
Member, Open Source Software Club | Columbus, OH, September 2024 - Present: Advocate for Linux and open-source tools

Skills

Programming Languages: Java, C, Ruby, Python, SQL (SQLite/PostgreSQL), C#, x86-64 Assembly
Web Development: HTML, CSS, JavaScript, PHP, FastAPI, Uvicorn, SQLAlchemy, Jinja, Alembic, Ruby on Rails
System Administration & Security: Linux (Debian/RHEL), SSH, NGINX, UFW, Cloudflare, Tailscale, FreeBSD (Novice)
DevOps & Tools: Git, Docker, Podman, 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)