

Seth Hyslop

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EDUCATION

University of Michigan

Bachelor of Science in Computer Science

April 2026

Ann Arbor, MI

- **GPA:** 3.4/4.0

- **Relevant Coursework:** Information Retrieval Systems, Computer Networks, Intro to Computer Security, Database Management Systems, Intro to Computer Organization, Data Structures and Algorithms I-II, Discrete Math, Calculus I-II, Intro to Statistics and Data Analysis

- **Certifications:** CompTIA Security+

WORK EXPERIENCE

Ruoff Mortgage

May 2025–August 2025

Fort Wayne, IN

IT Security Analyst Intern

- Triaged 300+ user-reported phishing emails (headers, URLs, attachments) using PhishER, Mimecast, and VirusTotal, validating IOCs and reducing user exposure to credential harvesting and malware campaigns
- Developed the phishing awareness program for 600+ employees; increased reporting rate by 10% over 3 months through targeted training and recurring tests
- Assisted incident investigations by triaging SIEM/EDR alerts with Security Onion and CrowdStrike Falcon, documenting findings and next steps in Jira
- Created a Python automation that queried an API to identify endpoints holding PII, generated a report, and automatically emailed compromised users, reducing manual effort by 4+ hours
- Planned and facilitated a department-wide incident response tabletop exercise, capturing gaps and updating escalation and response procedures
- Authored phishing triage and incident response SOPs to standardize investigations and accelerate onboarding for new analysts

University of Michigan Information and Technology Services

September 2024 - January 2025

Ann Arbor, MI

Computer Consultant I

- Coordinated transport and redeployment of 300+ IT assets across 12 campus locations, maintaining accurate inventory tracking
- Processed 100+ service tickets to document equipment moves and status changes in the asset management system.

PROJECTS

MITRE eCTF

- Implemented role-based access control (RBAC) using group-based permissions to enforce least-privilege Read/Write/Receive operations across an HSM file system
- Designed authenticated file transfer and verification using device certificates (Root CA and signed device certificates) and secure HSM-to-HSM channels to mitigate man-in-the-middle (MITM) and replay attacks

Language-Learning App

- Developed 60+ REST API endpoints for an AI language-learning backend using SQLAlchemy and PostgreSQL, supporting user flows, lessons, and progress tracking
- Partnered with a Czech company and the frontend team through weekly syncs; translated requirements into deliverables and unblocked integration work

Personal Homelab

- Built a personal homelab using a Raspberry Pi running Pi-hole for network-wide ad blocking and custom DNS/DHCP
- Configured WireGuard VPN for secure remote access, and maintained a Windows lab environment for virtualized testing

TECHNOLOGIES, SKILLS

- Languages: Python, C/C++, SQL, Bash
- Security Tools: CrowdStrike Falcon (EDR), Security Onion (SIEM), Mimecast, PhishER, Cisco Umbrella, VirusTotal, Wireshark, Ghidra, VMware, Elastic
- Other: Jira, Microsoft Office, Git, macOS, Windows, Linux