# Abigail Whittle

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## EDUCATION

**Oregon State University**                                                           Corvallis, OR
*Bachelor of Science in Computer Science | Cybersecurity Option*                Sep 2022 – Est. Jun 2025
- **GPA**: 4.0 / 4.0
- **Awards**: CyberCorps's Scholarship for Service, Western Undergraduate Exchange
- **Relevant Coursework**: Cybersecurity Practicum I – III, Cyber Capstone Project, Enterprise Defense, Digital Forensics, System Administration, Computer Networks, and Computer Architecture and Assembly

**CompTIA Security+ Certified**                                                            Apr 2024

## EXPERIENCE

**DHS WIRED Undergraduate Tech Intern**                                           Jun 2024 – Present
Pacific Northwest National Lab                                                         Corvallis, OR
- Supported lab for training, datasets, and cyber evaluations for Critical Infrastructure security
- Developed traffic generation capabilities for cybersecurity red and blue team training exercises
- Built modules to deploy IT/OT technologies for high-fidelity cyber exercises, datasets, and evaluations
- Collected and analyzed model data to validate generated data, tactics, techniques, and procedures

**Security Operations Analyst**                                                   Jul 2023 – Jun 2024
Oregon's Research & Teaching Security Operations Center                                Corvallis, OR
- Rotated through key security roles including security engineering, threat hunting, and pentesting
- Investigated incidents and configured critical SOC tools such as Elastic, Zeek, and Suricata
- Led risk mitigation for typosquatted names and assessed security maturity using ICS frameworks

**Undergraduate Researcher**                                                      Nov 2023 – Present
ASTRO Lab — Oregon State University                                                   Corvallis, OR
- Used Python's Pandas and Jupyter Notebooks for data parsing, cleansing, and visualization of trends
- Presented findings to peers and professionals, contributing to cybersecurity education within the school
- Authored sections of a research paper detailing technical insights into domain buying behaviors

**Student Systems Engineer**                                                      Nov 2022 – Jun 2024
Open Source Lab — Oregon State University                                             Corvallis, OR
- Managed infrastructure using Chef.io and OpenStack, planning for future scalability and reliability
- Supported the open-source community by resolving issues, responding to tickets, and deploying services

## EXTRACURRICULARS

**National Collegiate Cyber Defense Competition** (8th of 10) | *in person, team*           Mar 2024
**Pacific Rim Collegiate Cyber Defense Competition** (1st of 11) | *in person, team*        Mar 2024
**Department of Energy's CyberForce Competition** (15th of 95) | *in person, team*          Oct 2023
**Collegiate Penetration Testing Competition Western Regional** | *in person, team*         Nov 2023

**OSU Security Club Treasurer & Outreach Officer**                                Apr 2023 – Present
**WiCyS Student Chapter at OSU Founder & President**                              Feb 2024 – Present

## TECHNICAL SKILLS

**Languages**: C++, C, Python, Ruby, Bash, PowerShell, Batch, x86 Assembly, JavaScript, HTML/CSS, MySQL
**Systems**: Linux *(Debian, Ubuntu, Kali & AlmaLinux)*, Windows *(Windows 10 & 11 and Windows Server 2016 & 2022)*
**Security Tools**: Elastic Stack (Elasticsearch, Log Stash, Kibana), Wazuh, Sysmon, Zeek, Suricata, Autopsy, Tenable Nessus, OpenVAS, Wireshark, Ghidra, nmap, gdb, pwntools, John the Ripper, BurpSuite, Metasploit
**DevOps Tools**: Git (GitHub, GitLab), Active Directory, OpenStack, AWS, Terraform, Docker
**Frameworks**: Chef, Ansible, Node.js, Express.js, Jest.js, Handlebars.js