SEAN M. HODGSON

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Hardworking and dedicated cybersecurity student with five years of experience in Information Technology, possessing strong team leadership and problem-solving skills and ability to work unsupervised with the goal of gaining a leadership role in the technology industry.

EDUCATION

Bachelor of Science, Cybersecurity – Washington State University (WSU)　　*Expected Grad*:
Pullman, Washington. Voiland College of Engineering and Architecture　　*June 2025*

Eastern Washington University (EWU)　　*May 2020 – Aug 2022*
Cheney, Washington. College in the High School

WORK EXPERIENCE

Washington State University – Crimson Service Desk - Technical Assistant I　　*Aug 2023 – Present*
- Provided customer service to the entire WSU community including the students, alumni, employees, and families ranging across five different campuses and their surrounding communities totaling over 30,000 people.
- Worked as a team to provide the most effective solutions for customers.
- Provided customer service by conducting walk-in support, phone calls, tabling events, and emails.
- Managed, created, organized, audited, and provided support through Jira tickets.
- Quickly learned in a continually changing environment facing new technological issues daily.

Northwest Christian Schools - Information Technology - Full-Time Paid Staff　　*Aug 2019 – Aug 2022, June 2023 – Aug 2023*
- Responsible for managing and maintaining hardware and installed software for one-thousand faculty, staff, and students across 3 campuses and over 300 stand-alone and network-connected devices. Duties include providing service and support for staff and student laptops and desktops, managing and administering users within Office 365, managing Azure Active Directory (Microsoft Entra), maintaining network server racks.
- Responsible for mitigating and addressing cybersecurity issues including malware infections and virus removal from laptops and desktops, and deploying and supporting anti-virus solutions across campus devices.
- Developed and managed an open-source Proxmox virtualization server, hosting a FOG server for network computer imaging and management. This system streamlined software deployment to school computers and facilitated remote testing and scanning, enhancing support response times and achieving significant cost savings.
- Deployed equipment in staff offices and classrooms for daily use including: phone systems, desktop computers, laptops, ethernet Cat5e/Cat6 cable fabrication and runs, projectors, desk setups, audio systems, printers, Smart Boards, and Rauland Telecenter devices.
- Leadership activities included responsibility for training and supervising IT interns and communicating directly with school staff and teachers via email and face-to-face meetings.

Northwest Christian Schools – Information Technology Intern　　*Sept 2018 – Aug 2019*
- Assisted and gained hands-on experience directly under the IT director as the youngest student ever selected to participate as a member of the IT school staff in return for school credit in supporting IT infrastructure at the school.
- Strengthened my knowledge about both the hardware and software of computers through providing computer support to faculty and students with computer issues they encountered.
- Gained strong workplace communication skills by directly interacting with teachers and staff on a daily basis.

Washington State University – CySER Program　　*Aug 2023 – Present*
- Gained hands-on experience while researching the detection of malware through opcode analysis.
- Learned from industry professionals in bi-weekly seminars.

Griffiss Institute & Air Force Research Laboratory – MAVEN Research Intern　　*June 2024 – Aug 2024*
- Created a streamlined interface to interact with drone swarms, providing crucial information to the operator like drone statistics, low-latency video feeds, local object detection, and voice commands utilizing ChatGPT and Google Speech Recognition.
- Attended weekly cyber focused lectures from DoD and industry professionals.
- Culminated to a high-stakes, mission-focused capstone used by the U.S. Air Force and Space Force Cyber Warfare training unit.

PROJECTS AND LEADERSHIP

Air Force Association's CyberPatriot Team A Captain & Participant   *Jan 2021 – Jul 2022*

CyberPatriot is a national program which directs students towards careers in cybersecurity by placing them in the shoes of a cybersecurity professional, given the task of securing a company's network and computer systems while in a competitive format.

- Spearheaded a team of fellow students as team captain to successfully win the Washington state Open Division 1st Place Gold award for CyberPatriot competition, leading and mentoring a team of fellow students in solving the given cybersecurity challenges.
- Leadership duties included arriving early to setup competition computers, assisting teams with any questions or issues they had during or before the event, and writing guides and checklists for the teams on common vulnerabilities they could be required to remedy during the competition.
- Proactively aided the teams in teaching the basics of Cybersecurity, while also working alongside them during the competition.

WSU CrimsonCode Hackathon 2023/2024 Participant   *Feb 2023 & 2024*

- Worked with a teammate in the competition to plan, develop, and implement a working product solution for a custom product designed to facilitate a way for students to meet new people, all over a finite 24 hour time period.
- Developed a comprehensive solution consisting of the back-end using JavaScript/MongoDB, a rough web-based front-end interface using HTML/CSS, and logo within 24 hours.
- Strengthened my skills on working on coding projects as a functional team to develop a design, splitting up the work, collaborating with each other, and working together to overcome obstacles together within a short pressure-filled time period.

CERTIFICATIONS

- *CySER CAE-CO Fundamentals Certificate (In-Progress)*

TECHNICAL SKILLS

- Microsoft Windows, Android, Apple: MacOS, iOS, iPadOS; Microsoft Office: Word, Excel, PowerPoint; Ubuntu Server, Proxmox, FOG, Azure directory services, Jira, Confluence, Twilio, Oracle PeopleTools.
- JavaScript; HTML; CSS; C/C++ programming; Basic Python; MongoDB; mySQL.
- HP Enterprise Networking equipment; J9821A
- Teamwork, leadership, passionate, enthusiastic, creative, innovative, strong communication, technical writing, and editing.

CLUBS AND ORGANIZATIONS

- Washington State University, Biomedical Engineering Society (BMES)

- Washington State University, Cyber Security Group (CSG)

- Washington State University, Association for Computing Machinery (ACM)

- Viceroy; CySER Program (Department of Defense)

HONORS AND AWARDS

- **Northwest Christian Schools**
  Academic Excellence in the Area of Technology

- **Air Force Association's CyberPatriot National Youth Cyber Education Program, National Youth Cyber Defense Competition**
  Washington state Open Division 1st Place Gold

- **Washington State University**
  President's Honor Roll