

Nathan Sawyer

Phone Redacted For Spam | nathan@nathan2.com | nathan2.com | US Citizen

Education

University of Idaho
B.S. Cybersecurity
Minor Computer Science
GPA: 3.92

Moscow, Idaho
Expected Spring 2027
Expected Spring 2026

Skills & Achievements

Skills

Offensive: BloodHound, BloodyAD, Certipy, Sliver, NetExec, Nmap, PowerSploit, ffuf, Netcat, BurpSuite
Defensive: Splunk, Sysmon, Zeek, Suricata, ELK stack, Security Onion, Eric Zimmerman Tools, Volatility, Ghidra, IDA, x64dbg

Achievements

- Hack the Box Certified Web Exploitation Specialist skill path completed
 - Hack the Box Certified Defensive Security Analyst skill path completed
 - Hack the Box Junior Cybersecurity Analyst skill path completed
 - “Hacker” Rank on Hack the Box main platform, 43 boxes completed
 - Placed in the top 15% or higher in my last five CTF’s, including National Cyber League
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Certificates

Hack The Box CPTS (Certified Penetration Testing Specialist)	Obtained August 2025
➤ Experience writing an 148 page professional penetration test report	~450 hours
➤ 10 day exam environment with six machines, requiring a triple pivot	
➤ ~300 labs and machines attacked in preparation	
➤ Experience attacking an Active Directory network with BloodHound	
Testout Network Pro	Fall 2022
Testout Security Pro	Fall 2021
Testout PC Pro	Spring 2022

Honors and Awards

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| ➤ University of Idaho Dean’s List | Fall 2023 - Present |
| ➤ University of Idaho CyberCorps Scholarship for Service ® Participant | Fall 2025 - Present |
| ➤ 1st Place in University of Rhode Island CTF | Spring 2025 |
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Current Research

WDAC & Applocker Bypasses	Fall 2025 - Spring 2026
➤ Studying low level Windows behaviour	8h/week
➤ Researching current (Living off the Land Binaries and Scripts) LOLBAS execution tactics	
➤ Developing shellcode loader that uses indirect syscalls instead of APIs to avoid API hooking	
➤ Attempting to discover new LOLBAS execution technique	

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Leadership

Secretary for University of Idaho Cyber Defense Club

Fall 2025 - Present

2h/week

- Help plan and organize club meetings
- Lead a class that taught numerous network pivots
- Participate in many CTF's throughout the year

Pacific Regional Cyber Defense Competition Team Lead

Fall 2025 - Present

4h/week

- Organize and assign a group of team members different technological roles
 - Research competition rightups, blogs, and more information
 - Create and prepare a study plan of machines to configure and attack
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Prior Experience

Computer Technician | Bustech

October 2021 – August 2023

Sheridan, Wyoming

20h/week

- Configured and installed IT systems such as phone servers, security cameras, printers
- Troubleshoot customers hardware and software issues
- Built custom computers for various corporate clients
- Managed daily shop operations while maintaining customer relations

Financial Aid Peer Advisor | University of Idaho

September 2023 – May 2024

Moscow, Idaho

15h/week

- Worked in customer service, answering calls, emails, and other various questions
 - Escalated or solved student issues with appropriate senior counselors
 - Directed two week long project to correctly organize and file misplaced paperwork
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Previous Research and Homelab

Malware and Botnet Analysis

August 2025 - September 2025

~60 hours

- Configured a vulnerable SMB share and segmented with VLANs
- Monitored custom Suricata rules, Zeek Traffic, and Sysmon logs through Splunk
- Analyzed malware actions through Volatility memory dump and logging
- Observed process hollowing allocated RWX memory that loaded malicious shellcode

Purple Team Active Directory

August 2025 - Present

~60hours

- Configured and federated a local Active Directory forest to numerous services
 - Monitored with Splunk and ELK stack. Configured Applocker and LAPS as well.
 - Practiced attack and detection through multiple log sources and viewers.
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Clubs

- University of Idaho Cyber Defense
- University of Idaho Boxing
- University of Idaho Lacrosse

January 2025 – Present
August 2023 – May 2024
September 2024 – Present