

Ryan Kleffman

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[Github](#) | [LinkedIn](#) | [Blog](#)

Cyber Operations professional and Certified Red Team Operator (CRTO) skilled in secure configuration, attack simulations, and vulnerability remediation across Windows and Linux. Proficient in Python, C, x86 assembly, Cobalt Strike, and various offensive tooling, with a proven record of leading successful cybersecurity teams and projects.

WORK EXPERIENCE

Minnesota Judicial Branch

May 2022 – Present

Offensive Security Engineer

Duluth, MN

- Performed internal attack simulations to identify, test, and remediate critical vulnerabilities
- Configured and tested security benchmarks across multiple operating systems for baseline enforcement
- Authored comprehensive after-action reports based on assessment outcomes

EDUCATION

Dakota State University (DSU)

Cyber Operations B.S.

Madison, SD

Lake Superior College (LSC)

Networking & Cybersecurity A.A.S.

Duluth, MN

CERTIFICATIONS, SKILLS & INTERESTS

Certifications:

- Certified Red Team Operator (CRTO) November 2024
- Security+ January 2023

Skills:

- Python, C, C++, x86 Assembly
- Offensive Experience & Capabilities: Cobalt Strike, Custom Malware Development, AI Exploitation
- Defensive Experience & Capabilities: Splunk, SOAR, CrowdStrike, Qualys, Palo Alto Firewalls
- Offensive Tool Research and Development:
 - [CS-EXTC2-ICMP](#): An ICMP channel for Beacons, using Cobalt Strike's External C2 framework
 - [CS-EXTC2-NTP](#): A NTP channel for Beacons, using Cobalt Strike's External C2 framework
 - [SPAMSI](#): A post-exploitation tool for disabling AMSI (Antimalware Scan Interface) in remote PowerShell Processes

Organizations, Clubs, and Competitions:

- U.S. Citizen
- Wild West Hackin Fest Black Badge Holder October 2025
- DSU Collegiate Penetration Testing Competition (CPTC) Team
 - CPTC 10 Global Champion, Team Captain September 2024 – January 2025
 - CPTC 9 Global Competitor September 2023 – January 2024
- DSU Ethical Hacking Club Leader August 2024 – January 2025
- LSC Collegiate Cyber Defense Competition (CCDC) Team
 - Team Captain August 2022 – February 2023