

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
Secure Configuration Engineer	Duluth, MN
<ul style="list-style-type: none">Configured security benchmarks across multiple operating systems for baseline enforcementPerformed internal attack simulations to identify, test, and remediate critical vulnerabilities	

EDUCATION

Dakota State University (DSU)	June 2023 – May 2025
Cyber Operations B.S.	Madison, SD
Lake Superior College (LSC)	August 2021 – May 2023
Networking & Cybersecurity A.A.S.	Duluth, MN

CERTIFICATIONS, SKILLS & INTERESTS

Certifications:

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

Skills:

- Python, 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:
 - [WhisperNet-Offensive](#): My open source C2 framework
 - [MalwareSnippets](#): A tool for automated TTP extraction from live malware samples
 - [CS-EXTC2-ICMP](#): An ICMP channel for Beacons, using Cobalt Strike's External C2 framework.

Organizations, Clubs, and Competitions:

▪ U.S. Citizen	
▪ 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
▪ US Cyber Games (USCG) Combine Participant	June 2024 – August 2024
▪ DARPA AIXCC Competitor	August 2023 – August 2024
▪ LSC Collegiate Cyber Defense Competition (CCDC) Team	
▪ Team Captain	August 2022 – February 2023