

# 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

<b>Minnesota Judicial Branch</b> Offensive Security Engineer	<b>May 2022 – Present</b> Duluth, MN
<ul style="list-style-type: none"><li>Performed internal attack simulations to identify, test, and remediate critical vulnerabilities</li><li>Configured and tested security benchmarks across multiple operating systems for baseline enforcement</li><li>Authored comprehensive after-action reports based on assessment outcomes</li></ul>	

## EDUCATION

<b>Dakota State University (DSU)</b> Cyber Operations B.S.	<b>Madison, SD</b>
<b>Lake Superior College (LSC)</b> Networking & Cybersecurity A.A.S.	<b>Duluth, MN</b>

## CERTIFICATIONS, SKILLS & INTERESTS

### Certifications:

<ul style="list-style-type: none"><li>Certified Red Team Operator (CRTO)</li><li>Security+</li></ul>	<b>November 2024</b> <b>January 2023</b>
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### Skills:

<ul style="list-style-type: none"><li>Python, C, C++, x86 Assembly</li><li>Offensive Experience &amp; Capabilities: Cobalt Strike, Custom Malware Development, AI Exploitation</li><li>Defensive Experience &amp; Capabilities: Splunk, SOAR, CrowdStrike, Qualys, Palo Alto Firewalls</li><li>Offensive Tool Research and Development:<ul style="list-style-type: none"><li><a href="#">CS-EXTC2-ICMP</a>: An ICMP channel for Beacons, using Cobalt Strike's External C2 framework</li><li><a href="#">CS-EXTC2-NTP</a>: A NTP channel for Beacons, using Cobalt Strike's External C2 framework</li><li><a href="#">SPAMSI</a>: A post-exploitation tool for disabling AMSI (Antimalware Scan Interface) in remote PowerShell Processes</li></ul></li></ul>	
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### Organizations, Clubs, and Competitions:

<ul style="list-style-type: none"><li>U.S. Citizen</li><li>Wild West Hackin Fest Black Badge Holder</li><li>DSU Collegiate Penetration Testing Competition (CPTC) Team<ul style="list-style-type: none"><li>CPTC 10 Global Champion, Team Captain</li><li>CPTC 9 Global Competitor</li></ul></li><li>DSU Ethical Hacking Club Leader</li><li>LSC Collegiate Cyber Defense Competition (CCDC) Team<ul style="list-style-type: none"><li>Team Captain</li></ul></li></ul>	<b>October 2025</b> <b>September 2024 – January 2025</b> <b>September 2023 – January 2024</b> <b>August 2024 – January 2025</b> <b>August 2022 – February 2023</b>
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