

# Ryan Kleffman

ryankleffman47@gmail.com | (218) 409-2386 | Duluth, MN

[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><br>Secure Configuration Engineer                                                                                                                                                                                     | <b>May 2022 – Present</b><br>Duluth, MN |
| <ul style="list-style-type: none"><li>▪ Configured security benchmarks across multiple operating systems for baseline enforcement</li><li>▪ Performed internal attack simulations to identify, test, and remediate critical vulnerabilities</li></ul> |                                         |

## EDUCATION

|                                                                         |                                            |
|-------------------------------------------------------------------------|--------------------------------------------|
| <b>Dakota State University (DSU)</b><br>Cyber Operations B.S.           | <b>June 2023 – May 2025</b><br>Madison, SD |
| <b>Lake Superior College (LSC)</b><br>Networking & Cybersecurity A.A.S. |                                            |

## CERTIFICATIONS, SKILLS & INTERESTS

### Certifications:

|                                      |                      |
|--------------------------------------|----------------------|
| ▪ Certified Red Team Operator (CRTO) | <b>November 2024</b> |
| ▪ Security+                          | <b>January 2023</b>  |

### Skills:

|                                                                                                                                    |
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| ▪ 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:                                                                                         |
| ▪ <a href="#">WhisperNet-Offensive</a> : My attempt at an open source C2 framework.                                                |
| ▪ <a href="#">CS-EXTC2-ICMP</a> : An ICMP channel for Beacons, using Cobalt Strike's External C2 framework                         |
| ▪ <a href="#">CS-EXTC2-NTP</a> : A NTP channel for Beacons, using Cobalt Strike's External C2 framework                            |
| ▪ <a href="#">SPAMSI</a> : 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                   | <b>October 2025</b>                  |
| ▪ DSU Collegiate Penetration Testing Competition (CPTC) Team |                                      |
| ▪ CPTC 10 Global Champion, Team Captain                      | <b>September 2024 – January 2025</b> |
| ▪ CPTC 9 Global Competitor                                   | <b>September 2023 – January 2024</b> |
| ▪ DSU Ethical Hacking Club Leader                            | <b>August 2024 – January 2025</b>    |
| ▪ LSC Collegiate Cyber Defense Competition (CCDC) Team       |                                      |
| ▪ Team Captain                                               | <b>August 2022 – February 2023</b>   |