Ryan Kleffman

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

WORK EXPERIENCE

Minnesota Judicial Branch   **May 2022 – Present**
Secure Configuration Engineer   Duluth, MN
- Configured security benchmarks across multiple operating systems for baseline enforcement
- Performed 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

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**