**Ryan Kleffman**

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[Github](https://github.com/ryanq47) | [LinkedIn](https://www.linkedin.com/in/ryan-kleffman) | [Blog](https://ryanq47.github.io/)

**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:**

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| * Certified Red Team Operator (CRTO) |

**November 2024**

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| * 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](https://github.com/ryanq47/WhisperNet-Offensive): My open source C2 framework
  + [MalwareSnippets](https://malwaresnippets.com/): A tool for automated TTP extraction from live malware samples

**Organizations, Clubs, and Competitions:**

* U.S. Citizen
* DSU Collegiate Penetration Testing Competition (CPTC) Team

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| * + CPTC 10 Global Champion, Team Captain | **September 2024 – January 2025** |
| * + CPTC 9 Global Competitor | **September 2023 – January 2024** |

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| * DSU Ethical Hacking Club Leader |

**August 2024 – January 2025**

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| * US Cyber Games (USCG) Combine Participant |

**June 2024 – August 2024**

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| * DARPA AIxCC Competitor |

**August 2023 – August 2024**

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| * LSC Collegiate Cyber Defense Competition (CCDC) Team |

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| |  |  | | --- | --- | | * + Team Captain | **August 2022 – February 2023** | |