

DREW YOUNG STUDENT

✉ dmy3070@rit.edu
🌐 drew-young

A computing security student focused on penetration testing, red teaming, and offensive security.

Skills

LANGUAGES

Python
Java
KQL
Bash
Powershell
Rust
C
ASM

TOOLS

Wireshark
Nmap
Sentinel
Crowdstrike
Ansible
Terraform
Burp Suite
AWS
Cobalt Strike
Mythic
C3
Mailgun
BloodHound
Impacket
Nessus

CERTIFICATIONS

GCP Digital Leader
OSCP (In-Progress)

OPERATING SYSTEMS

Windows 10
MacOS
Kali
Ubuntu
pfSense

COMPETITIONS

Incident Response Security Competition (IRSec) - 2021 (Blue Team)
University of Buffalo Lockdown (UB Lockdown) - 2022 (Blue Team)
Information Security Talent Search Competition (ISTS) - 2022 (Purple Team)
University of Buffalo Lockdown (UB Lockdown) - 2022 (Red Team)
Incident Response Security Competition (IRSec) - 2022 (Red Team)
Information Security Talent Search Competition (ISTS) - 2023 (Black Team)
Collegiate Cyber Defense Competition (CCDC) - 2023 (Blue Team)
Incident Response Security Competition (IRSec) - 2023 (Black/Red Team - Infrastructure Lead)
Information Security Talent Search Competition (ISTS) - 2024 (Black Team - Infrastructure Lead)
Collegiate Cyber Defense Competition (CCDC) - 2024 (Blue Team)
Cyber Operations Remediation Assessment (CORA) - 2024 (Black Team - Infrastructure Lead)

Education

Rochester Institute of Technology
B.S. Computing Security, May 2025
Minor Criminal Justice, May 2025
Current GPA: 3.9
Dean's List (All Semesters)

Aug. 2021 to Current

Employment

Security Risk Advisors

Advisory Red Consultant (Co-op)

Rochester, NY
May 2023 to Aug. 2023

- Perform external/internal penetration tests and other offensive security engagements for various companies across multiple industries
- Generate reports with specified observations and recommendations for clients
- Created script to automatically stand up infrastructure using Ansible and Terraform for Purple Team engagements

CSOC Consultant (Co-op)

Rochester, NY
May 2022 to May 2023

- Monitored SCALR XDR and enterprise clients to ensure security posture was maintained
- Investigated and analyzed user actions to determine legitimacy
- Performed alert triage, notification and response, along with tuning and engineering
- Developed new workflows involving scripting to increase SOAR capabilities and investigation efficiency

RIT Cyber Range

Support Materials Developer (Part-Time)

Rochester, NY
Feb. 2022 to June 2022

- Worked with team to develop support materials (encryption smart card, glossary of cyber terms, training labs, etc.) to enhance training for Standard and Poor's Global Cyber Risk Rating System

RIT Tech Crew

General Technician (Part-Time)

Rochester, NY
Sept. 2021 to Current

- Collaborate with team to provide sound, lighting, and power services to all departments across RIT's campus

Supercharged Entertainment

Guest Services (Seasonal)

Wrentham, MA
July 2019 to Jan. 2022

- Collaborated with a team of over 150 employees to deliver a unique experience to over 10,000 customers/week
- Trained new staff members in all departments
- Assisted customers with setting up reservations for various entertainment activities

USA Hockey

Referee (Seasonal)

Massachusetts, New York
Sept. 2017 to Current

- Officiate youth, adult, and high school ice hockey games
- Enforce the rules of the game and assess penalties for violations while maintaining order with coaches, players, and parents during the game
- Mentored new/young officials
- Refereed over 2,000 games and obtained highest level in USA Hockey (Level 4)

Projects

Open Door Policy

Mar. 2023 to Current

- Created a tool that utilizes three different binaries to establish communication through firewalls for competitions
- Researched raw TCP communication

Requestor (HTTPS C2)

Sept. 2022 to Current

- Developed a tool with an implant that makes HTTPS requests to a web server and executes queued commands
- Implemented HTTPS for covert communication
- Added support for OS and host specific commands

Constant Control (TCP C2)

Jan. 2022 to Sept. 2022

- Developed a socket server and implant to establish a reverse shell to control multiple clients by using python subprocesses and threading
- Rewrote client code in Rust for faster execution
- Furthered knowledge of connections and python modules

Activities/Clubs

RITSEC · Club Member/ISTS Competition Architect (E-Board)

July 2021 to Current

- Design, manage, and lead the development of the ISTS competition as the Competition Architect
- Attend weekly education and research presentations to further my knowledge of computing security
- Past member of a mentorship group focused on Logging/SIEM (created ELK stack to consolidate logs from multiple clients)
- Attend weekly workshops to develop penetration testing tools for use during competitions as a red team member
- Meet weekly with other members of e-board to make important decision regarding the future of the RITSEC club

RIT Red Team · Red Team Chief

Aug. 2022 to Current

- Lead the RIT red team in red vs. blue security competitions
- Collaborate with other team members to create malware for competition use
- Organize deployment of malware and service interruption for all teams throughout competition

Collegiate Cyber Defense Competition (CCDC) · Blue Team Member

Jan. 2023 to Current

- Participate in qualifier, regional, and national cyber defense competitions
- Work with teammates to ensure service uptime and complete injects
- Attend weekly practices to further knowledge of common linux services such as Kubernetes, Docker, Apache, GitLab, etc.