

# 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

### 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 (RedTeam)  
Information Security Talent Search Competition (ISTS) - 2023 (BlackTeam)  
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 Current

- 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 SCALAR 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

Web Request Shell (Requestor)

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

Command and Control Server and Implant (Constant Control)

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

Vulnerability Assessment

Oct. 2021 to Dec. 2021

- Reviewed pseudo company's infrastructure and topology to determine vulnerabilities within the network
- Provided solutions on ways to improve security

## 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 keep services up and complete injects
- Attend weekly practices to further knowledge of common linux services such as Kubernetes, Docker, Apache, GitLab, etc.