

JOSEPH ABBATE

Cybersecurity Engineer

@ joe.abbate@mail.rit.edu

📞 516-310-1306

🌐 joeabbate.me

🌐 jabbate19

🌐 jabbate19

EXPERIENCE

Information Security Intern

Citadel

📅 June 2024 - Aug. 2024

📍 New York, NY

Cyber Operations Intern

MITRE, Offensive Operations and Effects

📅 May 2023 - Aug. 2023

📍 McLean, VA

- Developed embedded security tool to demonstrate Counter-UAS and AIS Deterrent Strategies
- Identified security flaws in FAA-Enforced protocol and database API
- Placed first in Intern "Battle of the Bots" Reverse Engineering and Capability Development competition

Teaching Assistant

Rochester Institute of Technology

📅 Jan. 2022 - Ongoing

📍 Rochester, NY

- Explain complex concepts to students in Web Application Security course
- Provide external insights and uses for concepts learned in class.

PROJECTS

Realm (spellshift/realm)

📅 July 2023 - Ongoing

- Cross platform Red Team engagement platform with a focus on automation and reliability
- Contributor to Rust agent library and Golang control platform
- Implement numerous enumeration, access, and control methods

Proxstar (ComputerScienceHouse/proxstar)

📅 July. 2022 - Ongoing

- Active Contributor to Organization project to manage Proxmox Proxmox cluster for users
- Used Proxmox API to configure Websocket VNC proxy between cluster and the end client

Steeloxide (jabbate19/steeloxide)

📅 May 2022 - Dec. 2022

- Compiled suite of various tools to assist in Blue Team defense for Red vs Blue Competitions in Rust
- Researched automatic methods of account/permission auditing, network traffic and process tracking, and analysis for malicious traffic activity

EDUCATION

B.S., Cybersecurity

Rochester Institute of Technology

📅 Aug. 2021 - May 2024

Cumulative GPA: 3.90

Outstanding Undergraduate Scholar - 2023/2024

Dean's List - Fall 2021 - Fall 2024

SKILLS

Programming Languages

Python

Rust

Go

C

C++

Assembly

Java

JavaScript

PHP

Technologies

Git

Docker

Proxmox VE

S3

Kubernetes

OKD

FreeIPA

Ceph

Ansible

Puppet

Github CI/CD

Metasploit

Wireshark

SQL

MongoDB

EXTRACURRICULARS

Computer Science House

Lead System Administrator

- Maintain Proxmox, OKD (Kubernetes), and Ceph clusters alongside variety of open source projects for member usage
- Ensure proper security posture across network and investigate events

Collegiate Penetration Testing Competition

Member

- Competed in national competition to conduct a formal penetration test and report findings

RIT Security Club

Red Team Member, CTF Infrastructure Lead

- Develop tools to attack and maintain persistence on machines of various Operating Systems during Red vs Blue competitions
- Maintain Kubernetes cluster to support over 3000 participants in weeklong competition