

RYAN SCHANZENBACHER

<https://rschanz.org>

Contact Info redacted for web version

Please contact inquiries@rschanz.org for contact info.

Fourth Year Cybersecurity student at the Rochester Institute of Technology.

EDUCATION

Rochester Institute of Technology (RIT)

Expected May 2025

Master of Science in Computing Security

GPA: 3.35

Related Coursework: Cyber Defense Techniques, Network & System Security Audit, Introduction to Cryptography, Reverse Engineering Fundamentals, Programming for Information Security, Intro to Software Development I & II.

SKILLS

Programming Languages: Python, Java

Operating Systems: Linux, Microsoft Windows

Software: SOAR Integration & Implementations, NGINX, Git, KVM/libvirt, SSH, Docker, VirtualBox, Wireshark

PROJECTS

Personal Homelab

Personal Project

Present

- Internal homelab I work on continuously to host many services for myself, combining the use of containerization and virtualization technologies.
- Most services run through docker using compose files, other services have dedicated IPs and Virtual Machine instances.
- Secured using a custom CA authority that I manage and have my root certificate installed on all my devices. An SSO implementation allows passwordless login, establishing a chain of trust in my environment.

Home Media Server Migration

Personal Project

December 2021

- Migrated my home media server to a new machine, completely re-installing the OS and services to clean-up.
- Used a repurposed backup server that has 6 drive bays, all filled with 1TB drives
- Used technologies such as mdadm RAID1 and ZFS raidz to make the system fully redundant on a drive failure.

WORK EXPERIENCE

IEX Exchange

June 2022 - Present

Cybersecurity Engineer Intern

New York, NY

- Part of a team responsible for maintaining the security posture of IEX Group's Exchange and all subsidiaries.
- Responsible for the development and upkeep of custom plugins I develop for our internal SOAR tooling.
- Lead the migration effort of our custom codebase when migrating our main SOAR tool between incompatible major versions.
- Worked on making testing utilities for our SIEM utility, testing various conditions when developing new rules.
- Worked on implementing separate scripts that assist the Cybersecurity analysts on their day-to-day tasks, designed with the goal of being integrated into our SOAR tools.
- Lead various internal projects on the Cybersecurity team that resulted in overall efficiency gains within our team.

RIT Dining

August 2021 - Present

Dining Systems Assistant

Rochester, NY

- Part of a team responsible for managing the systems associated with the dining experience here at RIT.
- Responsible for the upkeep of several internal tools I've developed from scratch to supplement our vendor's tooling.
- Responsible for being on-call when there is a hardware failure on campus, and being deployed to fix the issue in a timely manner. We utilize Service Now for ticketing.
- Maintaining an up-to-date online menu, adding new items and removing old items as required.