

ASHLEY R. NIKIRK

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OBJECTIVE

Seeking part time employment for Fall 2023 and Spring 2024 and an internship for Summer 2024 in information security or software development.

EDUCATION

Rochester Institute of Technology (RIT), Rochester, NY August 2021 - May 2025
Bachelor of Science in Computing Security
Minor in Women's and Gender Studies

WORK EXPERIENCE

Apple, Sunnyvale, CA - *Software Engineer Intern* May 2023-Aug 2023

- Designed and developed scalable microservices in Go that improved Apple's security posture
- Developed a secrets scanning tool to efficiently search all of Apple's logging solutions

The MITRE Corporation, Bedford, MA - *Cyber Resiliency Intern* May 2022-Feb 2023

- Adapted practices from the CISA/NSA joint advisory on hardening Kubernetes to be used by Kyverno
- Created asynchronous Python functions and a CLI to interface with the Kubernetes API

PROJECTS

Homelab: Jul 2022-Pres.
Managed home networking and gained intimate experience with virtualization, containers, CI/CD, and Unraid.

Bifrost: Mar 2022-Aug 2023
Wrote a Flask-based HTTP(s) command and control (C2) framework with a web front-end using HTML, CSS, and JS. Created malleable agents written in Go and exploit scripts written in Bash.

ACTIVITIES

RIT WiCyS Student Chapter: *President* (2022) 2021-Pres.

RIT Table Tennis Club: National Collegiate Table Tennis Association, *President* (2022) 2021-Pres.

RITSEC Security Club: Largest academic club at RIT, *Offensive Academy Lead* (2022) 2021-Pres.

RITSEC Red Team: Developed malware for use in cybersecurity competitions 2022-Pres.

Incident Response Security Competition '22: Built out Ansible roles to deploy Linux services 2022-Pres.

Information Security Talent Search '23: Created Ansible roles to deploy Kubernetes clusters 2022-Mar.

WiCyS CTF Fall '22: Managed competition infrastructure and created web and OSINT challenges Oct 2022

RITSEC Ops Program: Managed RITSEC's GitLab and OpenStack instances Apr 2022-Feb 2023

AWARDS & COMPETITION RANKINGS

RIT Presidential Scholarship: Awarded based on exceptional academic performance 2021-Pres.

RIT Dean's List: Top 3% of student body 2021-Pres.

WiCyS CTF Spring '22: 6th place out of 36 individuals in a beginner-focused CTF Feb 2022

RITSEC CTF: 33rd place out of 533 teams in an intermediate-level CTF Apr 2022

UB Lockdown: Performed incident response in a Red vs Blue security competition, *Team Captain* Apr 2022

SKILLS

Go, Python, C, SQL, Linux, Windows, MacOS, MITRE ATT&CK, Wireshark, Git, Docker, Kubernetes, Nginx, Traefik, software development, clean coding, networking, debugging, technical writing, public speaking