

# Michael Scalzetti

<https://blog.scalz.cloud>

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## EDUCATION

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- **Rochester Institute of Technology** Rochester, NY  
*Bachelor of Science Degree, Cyber Security* *Expected May 2024*

## EMPLOYMENT

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- **Akamai Technologies** Remote: Cambridge, MA  
*Security Engineer Co-Op* *Jan 2023 - Current*
  - Worked with the SOC team to perform threat hunts and expand visibility into company infrastructure.
  - Researched, tested and documented findings of potential monitoring tools for company infrastructure.
  - Created new performance testing framework for in-house tools using bash and python scripting.
  - Developed new threat hunt dashboards and wrote playbooks which documented their usage.
- **MetaCTF Inc** Remote: Charlottesville, VA  
*Digital Technology Intern* *May 2022 - Aug 2022*
  - Worked with a team to develop a CTF challenge platform using AWS, Docker, and Kubernetes.
  - Lead the development of the backend API to allow automated management of infrastructure.
  - Wrote documentation to explain our implementation of Kubernetes and how it should be managed.
  - Deployed EKS and EC2 AWS instances to create a highly available back end.
- **SUNY Upstate Medical University** Syracuse, NY  
*IMT Intern* *May 2021 - Aug 2021*
  - Worked with Upstate's IMT Networking group, managing their enterprise Cisco network.
  - Deployed core networking infrastructure such as switches and access points.

## ACTIVITIES

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- **RITSEC** Rochester, NY  
*Operations Lead* *Oct 2023 - Current*
  - Manages RITSEC's server infrastructure, including an Openstack Hypervisor, switch and server hardware.
  - Manages RITSEC's service deployments including Gitlab, SSO, Zammad helpdesk, and many others.
  - Runs Ops Interest group which presents weekly topics to get new club members involved in Operations.
- *Red Team* *Jan 2023 - Current*
  - Develops and deploys offensive tooling to attack other teams at competitions.
- *Member* *Jan 2022 - Current*
  - Active in the clubroom, weekly meetings, Red Team, Physical Security Remote Vulnerability and Penetration Testing, Wireless, and Operations Interest Groups.

## PROJECTS

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- **Personal Server Management:** Designed a scalable server infrastructure based around Proxmox. Facilitates the practice and development of networking and security skills.
- **Docker Depot:** Developed a tool which gives full remote access to the Docker unix socket. Can be used by an attacker to spin up malicious containers, and escalate to root user on host machine.

## SKILLS

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- **Languages:** Python, Bash, Java, C, SQL, Go
- **Tools:** Linux, BSD, Docker, Ansible, Kubernetes, SSH, Git, Networking, Firewalls, Nmap, Ncat, Nginx, Caddy, Proxmox, Openstack VMware, Wireshark, Cryptsetup, Osquery, Kibana, FleetDM