

# Michael Scalzetti

<https://blog.scalz.cloud>

Email : [contact@scalz.cloud](mailto:contact@scalz.cloud)

LinkedIn : [mscalzet](#)

## EDUCATION

---

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

## EMPLOYMENT

---

- **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

---

- **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

---

- **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 sock. Can be used by an attacker to spin up malicious containers, and escalate to root user on host machine.

## SKILLS

---

- **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