Michael Scalzetti

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EDUCATION

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

EMPLOYMENT

- **Akamai Technologies** — Remote: Cambridge, MA
  Security Engineer Co-Op — *Jan 2023 - Aug 2023*
  - 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 tooling 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 - May 2024*
  - Manages RITSEC's server infrastructure, including an Openstack cluster, switches 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 clusters and networked storage. 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. Additional tooling was developed from this to bypass firewalls to access SSH.

SKILLS

- **Languages:** Python, Bash, Java, C, SQL

- **Tools:** Linux, BSD, Docker, Ansible, Kubernetes, SSH, Git, Networking, Firewalls, Nmap, Ncat, Nginx, Caddy, Proxmox, Openstack, VMware, Wireshark, Cryptsetup, Osquery, Kibana, FleetDM