

Michael DeSocio

Bachelors of Science in Cybersecurity

| Leader | Problem Solver | Detail Oriented | Good Communication | Self Driven |

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📍 New York

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INDUSTRY EXPERIENCE

Student Assistant

New York State Department of ITS

03/2023 - Present

Albany, New York

- Reviewed and audited software and service vendors to ensure proper compliance with NIST, CJIS, and industry specific standards and security practices were in place.
- Contributed to governors initiative of network and service reconnaissance to help remediate and reduce risks all executive agencies of New York State.
- Executed a new documentation and assistance strategy for ticket reviews and migrations.

Summer IT Intern

Queensbury Union Free School District

07/2022 - 08/2022

Local School District

- Provisioned and Deployed over 1,000 computers to users.
- Provided NOC redesign and organization.
- Worked with the network team to develop a better Wireless Security policy and implementation.

Systems Administrator and Infrastructure Consultant

CreatorSphere Ltd.

03/2021 - 03/2022

London, England

Startup Multimedia Content Delivery Platform

- Deployed vSphere in OVH to build internal wikis, messaging, VPN, and monitoring tools.
- Managed and scaled hosted applications and MySQL Databases across all major cloud providers.
- Developed a company Disaster Recovery Plan (DRP), Data Loss Prevention (DLP), and Business Continuity Plan (BCP).

Network Consultant

Various Organizations

12/2018 - Present

Glens Falls, New York Area

Local Churches and Small Businesses

- Design, install, deploy, and manage network devices and services utilizing SD WAN solutions such as Ubiquiti UniFi Networks.
- Ensured a 99.99% uptime for organization critical infrastructure.
- Deployed and managed Voice Over IP (VoIP) utilizing SIP Trunks to improve voice quality and communication reliability between customers and clients.

INTERESTS

Acoustic Guitar

Hiking

Woodworking

Orchestral Music

EDUCATION

Bachelors of Science in Cybersecurity

University at Albany, SUNY

01/2021 - Present

Concentration in Cybersecurity,
Cumulative GPA: 3.38

- Developing knowledge regarding risk mitigation and incident response while educating students on the importance of Techniques, Tactics, and Procedures (TTPs) and Indicators of Compromise (IoCs).
- Relevant courses: Networking and Cryptography | Introduction to Penetration Testing | Independent Research in Informatics | Network and Systems Security | Information Security and Privacy |

TECHNICAL SKILLS

Security Tools

| Wazuh | Splunk | Kali Linux | NMAP | Nessus | Crowdstrike Falcon | Sentinel One | various self-developed network and DNS reconnaissance tools |

Software Languages

| Bash | Python | React Framework (Node.js) | JavaScript |

Networking and Systems

| Cisco IOS | Palo Alto Network's PanOS | Arista EOS | Citrix XenServer | Openstack Project | CentOS | Ubuntu | RHEL | ZFS | SDN and SDWAN | TrueNAS | pfSense | Open-Source IAM and RBAC Tools |

PERSONAL PROJECTS

TrueNAS Personal NAS Build (01/2021 - Present)

- Using ZFS as a reliable RAID for over 30TB of personal data (photos, music, documents, videos).
- Local Snapshots of ZFS with Daily S3 Bucket Syncs to BackBlaze B2.
- Utilizing SHA512 Encryption of Files prior to Cloud Sync.

Home Lab (04/2017 - Present)

- Design a scalable network and infrastructure design using pfSense, UniFi, TrueNAS, and XCP-NG to simulate real world network events and scenarios.
- Increase security by implementing industry tools such as Wazuh and introducing network segments to isolate potentially high risk endpoints.
- Enabled High Availability and failover for critical virtual machines and containers in XCP-NG.

ORGANIZATIONS

Cyber Defense Organization

University at Albany, SUNY

09/2021 - Present

- Coordinated large networking events with multiple government agencies and private corporations while ensuring enjoyable experiences.
- Led the design and deployment of the cluster to provide a virtualized platform for hands-on learning and experimentation with cybersecurity tools and techniques.
- Developed, reviewed, and presented educational club technical content, presentations, and labs to help SUNY Albany students better understand industry tooling, skills, and techniques.