

Michael DeSocio

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

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Education

Bachelors of Science in Cybersecurity

University at Albany, SUNY

Bachelor's degree program

January 2021 - Expected December 2023

Cumulative Average: 3.41

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).

- *Capstone project: Design a secure and isolated VDI solution for students and faculty to utilize for classwork and labs.*
- *Worked with faculty to develop and plan activities and workshops to get incoming freshman involved in technical cybersecurity.*
- *Relevant courses: Networking and Cryptography — Introduction to Penetration Testing — Independent Research in Informatics — Network and Systems Security — Information Security and Privacy*

Certifications

CompTIA

July 2023

Network+ ce Certification

Work Experience

New York State Office of Information Technology Services

July 2023 - Present

Information Technology Specialist II, Information Security

Albany, NY

- 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 of all executive agencies of New York State.
- Executed a new documentation and assistance strategy for security ticket reviews and migrations.

New York State Office of Information Technology Services

March 2023 - July 2023

Student Assistant

Albany, NY

- Reviewed and audited software and service vendors to ensure proper compliance with NIST, CJIS, and industry specific standards and security practices were in place.
- Helped develop a new documentation and assistance strategy for ticket reviews and migrations.

Queensbury Union Free School District

July 2022 - August 2022

Summer IT Intern

Queensbury, NY

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

CreatorSphere Ltd.*Systems Administrator and Infrastructure Consultant**March 2021 - March 2022**London, England*

- 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).

Self Employed*IT Consultant**January 2020 - March 2023**Queensbury, NY*

- Designed and Deployed home and business security camera systems.
- Built out network systems and server solutions for clients that helped improve system reliability.
- Softwares and Solutions Used: — Ubiquiti UniFi Networks and Protect — TrueNAS — Xen Server — Windows Server

Rainmaker of Queensbury Inc.*Network and Systems Consultant**December 2018 - April 2023**Queensbury, NY*

- Design, install, deploy, and manage network devices and services utilizing SD WAN solutions such as Ubiquiti UniFi Network Equipment and Enterprise Storage Solutions to ensure secure data storage and accessibility to important documents.
- Ensured a 99.99% uptime for organization critical infrastructure, including VDI solutions, wired and wireless network components, and phones.
- Deployed and managed Voice Over IP (VoIP) utilizing SIP Trunks and 3CX to improve voice quality and communication reliability between customers and clients.
- Added additional on premise security cameras and systems to help protect company assets and property.

Volunteer Experience

First Baptist Church of Glens Falls, NY*IT Support**December 2018 - Present**Glens Falls, NY*

- Designed a robust, cost effective, and secure network to enable service streaming and community access during times of worship and service.
- Managed a network controller and 30 endpoints to ensure high reliability and security of the network.
- Found cost efficient ways to upgrade aging, end-of-life systems to improve security hygiene and practice.
- Proposed a new security camera system to increase reliability of property monitoring and protection against civil suits.
- Executed new ways to help the church utilize tech services to collect donations and reach out to community members.
- Devices and Services Used: Ubiquiti UniFi Network and Protect Equipment — Bitdefender Business — Microsoft 365 for Nonprofits — BlueHost Webhosting

Questar III Boces*Technology Support - Odyssey of the Mind Competition**January 2018 - March 2020**Castleton-on-Hudson, NY*

- Deployed Images and Software to Laptops that contained specialized software for the competition.
- Worked with hosting school's IT department to ensure compatibility and accessibility to the network services and internet that were needed.
- Troubleshooted common problems with local printers for scoring, laptops, and user related issues.

Leadership Experience

Cyber Defense Organization *EBoard-Vice President and CTO*

March 2022 - Present
University at Albany, SUNY

- 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.

Technical skills

Security Tools

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

Networking and Systems

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

Programming Languages/Tools

Bash, Python, React Framework (Node.js), JavaScript, LaTeX

Personal Projects

Home Lab

- 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 containerization in XCP-NG.

TrueNAS Personal NAS Build

- 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.

Interests

Learning

Acoustic Guitar

Hiking

Woodworking

Orchestral Music