

# Michael DeSocio

B.S. Informatics Concentration in Cybersecurity

Focused and Passionate on the development and growth of Cloud Services and the secure use of Cloud Service Providers.

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## INDUSTRY EXPERIENCE

### Summer IT Intern

Queensbury Union Free School District

07/2022 - 08/2022

Local School District

Achievements/Tasks

- 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.

Contact : Ben Grieco - bgrieco@queensburyschool.org

### Chief Technology Officer and Infrastructure Committee Lead

SUNY Cyber Defense Organization, University at Albany

01/2022 - Present

Albany, NY

A club at UAlbany that concentrates on Cybersecurity in both Blue and Red Team competitions.

Achievements/Tasks

- Transitioned hypervisors from Proxmox to XCP-NG (Xen Server) due to poor VM metadata handling by Proxmox.
- Redesigned network topology to ensure proper network segmentation of services and clients.
- Created and Presented Workshops on Network Security, Virtualization, and Networking.
- Built Automation scripts to patch, deploy, and execute commands across multiple VMs using Python and Ansible.

### Systems Administrator and Infrastructure Consultant

CreatorSphere Ltd.

03/2021 - 03/2022

London, England

Startup Multimedia Content Delivery Platform

Achievements/Tasks

- 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) and internal documentation.

### Network Consultant

Various Organizations

12/2018 - Present

Glens Falls, New York Area

Local Churches and Small Businesses

Achievements/Tasks

- Design, install, deploy, and manage network devices and services utilizing SD WAN solutions such as Ubiquiti UniFi Networks.
- Ensured uptime for organization critical infrastructure.
- Deployed and Managed VOIP and SIP services.

## EDUCATION

### B.S. Informatics (Conc. Cybersecurity)

University at Albany, SUNY

01/2021 - Present

Concentration in Cybersecurity,  
Cumulative GPA: 3.26

Utilizing public college and federal accreditation to grow my knowledge of the cyber security field.

- Developing knowledge regarding risk mitigation and incident response while educating students on the importance of TTPs (Techniques, Tactics and Procedures) and IoCs (Indicators of Compromise).
- Anticipated Graduation May 2024.
- Relevant courses include Networking and Cryptography, Introduction to Penetration Testing, Independent Research in Informatics, and Network and Systems Security.

## TECHNICAL SKILLS

### Infrastructure Technology

Virtualization, Storage Architecture, Open Source Applications & Software, Firewall Deployment, SDN & SD-WAN Network Equipment Management & Deployment.

### Systems Administration

Microsoft Office 365 Administration, Microsoft Active Directory Administration, Google Workspaces Administration, LDAP, and RBAC, Patch Automation using Ansible Playbooks.

## PERSONAL PROJECTS

### Personal React Website (11/2021 - Present)

- Deploy with zero cost hosting (minus domain cost).
- Ensure a secure site with little personal information as possible.
- Responsive web design.

### 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 Open Source Software Solutions
- Increase security by implementing industry tools such as SIEM, IDPS, and Filtering

## INTERESTS

Woodworking

Camping

Jazz/Classical Music

Educating