

# Daniel MacCarthy

danmacc710@outlook.com | (631) 708-4198 | Farmingdale, NY | [danmacc.com](https://danmacc.com) / [GitHub](https://github.com/danmacc)

---

## WORK EXPERIENCE

---

### Frequency Electronics Inc.

Jan. 2024 – Present

*Network Support Specialist*

*Uniondale, NY*

- Frequency Electronics Inc. is a DoD subcontractor specializing in the development of precision timing equipment, supporting critical defense and aerospace projects since 1961.
- As a Network Support Specialist, I administered and optimized Palo Alto firewalls, creating security policies, managing VPNs (site-to-site and remote access), and implementing threat prevention measures.
- Created containerized AI chatbot image with RAG capability using Rasa Open Source. Locked down containers allowed for scalability, departmentally personalized dataset for the bots, and full capability with all data being kept on premises.
- Monitored and analyzed Palo Alto firewall logs, adjusting security policies to maintain secure and efficient network traffic flow while mitigating potential threats.
- Developed and enforced firewall security policies, conducting regular audits and fine-tuning access control rules to minimize risk exposure.
- Implemented secure network architectures, including Zero Trust, VLAN segmentation, and Network Access Control (NAC) to enhance overall security posture.
- Set switchport VLAN access and configured firewall rules to ensure secure network segmentation and traffic isolation.
- Administered and maintained Microsoft 365, Exchange, Active Directory, Windows, and Linux environments, ensuring security best practices and access control policies were enforced.
- Deployed and integrated Linux machines into the corporate domain, ensuring Active Directory synchronization, network share access, and Duo 2FA authentication for improved security and user accessibility.
- Oversaw VMware infrastructure dedicated to hosting the Linux environment, managing virtual machine security, system uptime, and Veeam backup jobs to ensure business continuity.

### Marist College Networking

Feb. 2022 – May. 2023

*Senior Lead Technician*

*Poughkeepsie, NY*

- Installed, maintained, and helped configure various Cisco products: Access Points, Switches, and Firewalls.
- Maintained and upgraded both wireless and wired Cisco network infrastructure across the OSPF areas on campus.
- Ran fiber for and installed new Cisco distribution switches for each OSPF area on campus.

## EDUCATION

---

### Marist College

May, 2023

*B.S. Cybersecurity | B.S. Computer Science*

*Poughkeepsie, NY*

- **GPA: 3.4 Cum Laude** / Cybersecurity Honors Society

## TECHNICAL PROFILE

---

- **Network Security:** Palo Alto, Cisco ASA Firewalls, VPN tunnels, Log Analysis, Security Policies, Incident Response
- **System Security:** Linux Hardening, Windows Security, Zero Trust
- **Identity & Access Control:** Active Directory, Cisco ISE, MFA, Palo HIPs, Global Protect
- **Networking:** Cisco Routers & Switches, VLANs, STP, OSPF, DHCP, BGP, SD-WAN, Wireshark
- **AI Automation:** Python Scripting, Docker, Rasa Open Source, Retrieval-Augmented Generation (RAG), REST APIs

## CERTIFICATION, SKILLS & INTERESTS

---

- **Certifications:** CompTIA Security+
- **Skills:** Strategic Planning; Troubleshooting; Analysis; Customer Support
- **Interests:** Rugby, Bagpipes, Fantasy Football, Improving my Home Lab