

Alex Tannenbaum

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EDUCATION

Worcester Polytechnic Institute

Junior, Bachelor of Science in Computer Science
Concentration in Cybersecurity

Worcester, MA
Expected May 2027

Skills

Docker, Podman	Gitlab, CI/CD	Python	Grafana, Graylog
Chef, Ansible	Networking, SD-WAN	Junos OS (Juniper)	Virtualization, Clustering

WORK EXPERIENCE

MITRE

Resilient Communications Intern

Bedford, MA
May 2024 - Present

- Designed and implemented standalone lab infrastructure utilizing Juniper network equipment, Dell servers, Proxmox, Active Directory, Dell Wyse Thin Clients, and SmartCard authentication
- Integrated Juniper SSRs into a scalable overlay network environment
- Utilized Netbox and Python to create semi-automated network configuration and connection documentation
- Automated Linux system configuration and compliance with Chef Automate
- Integrated existing Python application with external APIs to control new devices and obtain additional data

TwinHats

Systems Administrator

Hopkinton, MA
Feb 2021 - May 2024

- Monitored security threats and vulnerabilities to proactively protect client infrastructure
- Responded to security incidents, such as reverse engineering a sophisticated phishing attack targeted at a client's Microsoft 365 users
- Segmented and secured client networks using zero-trust principles
- Managed Windows, macOS, and Linux endpoints with automated remediation utilizing NinjaOne, Intune, Addigy, Jamf, and SentinelOne
- Featured Project: Designed and Implemented SD-WAN with 8 FortiGates and FortiManager at a client with 5 locations
- Featured Project: Upgraded client to a fully redundant high-availability virtualization environment utilizing vSphere Enterprise Plus, Dell PowerEdge servers, and a Dell Unity SAN

Town of Hopkinton / Hopkinton Public Schools

AV Engineer & Architect

Hopkinton, MA
June 2022 - May 2024

- Designed and implemented town-wide AV over IP infrastructure (Dante with Dante Domain Manager, NDI, sACN, RTMP, control/management) over the existing town network and fiber loop
- Rebuilt AV systems throughout the district and town, utilizing Q-SYS & Biamp Tesira DSPs, Shure ULX-D, PTZ cameras, video switchers and matrixes, and Zoom hybrid conferencing
- Documented AV systems with SOPs, technical documentation, system diagrams, and config backups
- Lead training sessions with students/staff and mentored them during events

ACTIVITIES

WPI Lens and Lights

Active Member

Worcester, MA
Sep 2023 – Present

Executive Board Member (Webmaster, Vice-President)

Oct 2023 – Present

- On-campus AV production club that provides sound, lighting, and projection services for ~200 events a year
- Responsible for coordinating all events between LNL members, clients and all WPI service providers and departments
- Designed systems and mixed audio for large events on campus (Meyer & EAW PAs, DiGiCo & Yamaha consoles, Shure RF)
- Maintain networking infrastructure for AV over IP usage (Dante, NDI, sACN, Control)