

NATE WALKER

Computer Science Student & Engineer

San Francisco Bay Area, CA

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PROFESSIONAL SUMMARY

Computer Science engineer & IT Manager fluent in technical & leadership roles. Extensive homelab, professional, & school projects. Currently pursuing an **M.S. in Cybersecurity** (Georgia Tech) with coursework in **Secure Computer Systems** and **Secure Networking**. Ask me about zero trust.

CORE TECHNICAL SKILLS

- **Languages & Scripting:** Python, PowerShell, Java, Bash, C/C++; regex; JSON/YAML; REST APIs
 - **AI Tools:** OpenAI Whisper (voice to text), OpenAI ChatGPT 4-o (decision based prompting)
 - **Automation & Dev Tools:** Git/GitHub, VS Code, task schedulers, documentation as code
 - **Systems & Platforms:** Windows Server/Client, Linux (Debian), macOS; Hyper-V; Synology NAS
 - **Cloud & Identity:** Microsoft 365/Entra ID, Azure, Google Workspace; Intune/Endpoint Manager; ABM/ADE; iOS MDM (Intune/Addigy)
 - **Networking:** TCP/IP, VLANs, DNS/DHCP, VPNs (SSTP/L2TP/OpenVPN/DirectAccess), Tailscale; Wireshark, Cloudflare tunnels.
 - **Security Foundations:** Microsoft Defender, Huntress, Wazuh SIEM, logging/syslog (Kiwi), TLS/network encryption, policy writing
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SELECTED TECHNICAL PROJECTS

Voice Order to Menu Checkout AI

Built a voice-to-order API that intakes voice clips and outputs selected items on a menu (eg. drive through ordering).

Machine Learning Malware Analysis (Python & PeStudio)

Used PeStudio + machine learning analysis to determine risk of malicious executable. Python, SKLearn

SIEM & Logging Lab (Wazuh + SonicWall + Kiwi + Python)

Stood up Wazuh; forwarded firewall/syslogs; authored baseline alerts to validate end-to-end visibility and practice triage.

Zero-Trust Mesh (Tailscale + RADIUS + Python)

Used Tailscale ACLs with RADIUS-backed auth to grant least-privilege access to services based on identity and context.

PKI & Secure Web File Storage

Created online file storage program utilizing public/private keys for signed file encryption. Relied on PKI with private cert authority (CA) for integrity & confidentiality. OpenSSL libraries & Python.

PROFESSIONAL EXPERIENCE

LMi.net MSP — San Francisco Bay Area

Service Desk Manager • **Spring 2025 – Present**

- Lead a 7-person team; established KPIs/dashboards; accelerated urgent/security ticket handling; reduced stale backlog by 90%.
- Own operational automation initiatives (PowerShell, Datto RMM policies), SOPs, and quality checks.

Systems Administrator • **2024 – 2025**

- Wrote PowerShell for hygiene checks, reporting, and ticket workflows; configured Datto policies/automations.
- Developed script-based automation tools for rapid deployment & configuration of Windows endpoints.
- Administered Microsoft 365/Entra & Google Workspace; implemented baseline **GPO** hardening; supported Intune/Addigy/ABM/ADE.
- Managed Windows Server/AD, Hyper-V, Synology; deployed firewalls (SonicWall/UniFi), VLANs, and VPNs.

Math & Computer Science Teacher — Various CA Schools • 2018 – 2024

Tenured educator; built CS & math curriculum units; emphasized critical thinking and original problem solving. High praise from previous employers & students.

EDUCATION

M.S. in Cybersecurity (Information Security Track) — Georgia Institute of Technology • *2024 – Present (Part Time)*

Expected: June **2027** • Relevant: **Secure Computer Systems, Cybersecurity Policy**

B.S. in Mathematics–Computer Science — University of California, San Diego • *2018*

Selected CS foundations: data structures & algorithms, systems, discrete math, cryptography (focus area), number theory

M.Ed. in Mathematics Education — University of California, San Diego • *2019*

CERTIFICATIONS

CompTIA **Security+**, **Network+**, **A+**

TOOLS & KEYWORDS

Python • PowerShell • Java • Bash • Git/GitHub • REST APIs • JSON/YAML • Power BI • Excel • Windows Server • Linux (Debian) • macOS • Hyper-V • Synology DSM • Btrfs • WORM/immutability • Hyper Backup to S2 • Microsoft 365 • Entra ID • Azure (fundamentals) • Google Workspace • Intune • Addigy • ABM • ADE • Active Directory • GPO • DNS • DHCP • VLANs • VPN (SSTP/L2TP/OpenVPN/DirectAccess) • Tailscale • SonicWall • UniFi • Meraki • Wireshark • Wazuh • Kiwi Syslog • Microsoft Defender • Huntress • SOPs • documentation • automation