HAMZEH EMREISH

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EDUCATION

CUNY-Lehman College | B.S. Computer Science | Expected May 2026 | GPA: 3.2
Coursework: Data Structures, Full Stack Web Dev, Discrete Math, AI/ML, Robotics

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TECHNICAL SKILLS

- **Security Tools & Testing:** Burp Suite, SNORT, Splunk, Wireshark, Nmap, Nikto, FFUF, gobuster, subfinder; vulnerability assessment and penetration testing methodologies
- **Programming & Scripting:** Python, JavaScript, Bash, Java; REST API development; automation scripts for security testing and file processing
- **Web Development:** React, Node.js, Express.js, PostgreSQL, HTML/CSS, Vite; full-stack application deployment (Vercel, Railway)
- **Networking & Infrastructure:** TCP/IP, DNS, Active Directory, Group Policy, RDP/VNC, SSH, Tailscale; remote monitoring and system administration
- **Virtualization & Containers:** Proxmox, Docker, VMware, VirtualBox, Hyper-V
- **Reverse Engineering:** Binary/hex analysis, proprietary file format documentation, struct-based parsing, Blender Python API

EXPERIENCE

Equinox - Manager on Duty (MOD) | Scarsdale, NY   *Nov 2023 – Present*
Promoted from Front Desk Associate; previously at Mamaroneck location

- Oversee daily club operations during manager absences, ensuring member safety, staff coordination, and facility standards across all departments.
- Trained and onboarded 10+ new team members on front desk systems, member services protocols, and club policies.
- Cross-trained in Pro Shop operations including inventory management, POS transactions, and product knowledge.
- CPR/AED certified; emergency response-ready.
- Worked at Hudson Yards and Printing House flagship locations; recognized by HQ.

Hackerone + PortSwigger Web Security Academy — *Bug Bounty / Labs*   *Jan 2024 – Present*

- Completed hands-on labs focused on real-world Ethical Hacking challenges, enhancing skills in Privilege Escalation, SQL Injections, and Auth Bypass.
- Developed and refined skills in system exploitation, privilege escalation, and secure system configuration.

Yonkers Car Wash — *Website & Management System* | 975 Midland Ave, Yonkers, NY   *May 2025 – Present*

- **Developed and supported the full-stack membership and billing website**, integrating member management, customer inquiries, and remote monitoring of car-wash systems via RDP/VNC through Tailscale.
- **Managed ICS infrastructure, database, billing automation; increased renewals 35%.**
- **Supervised and trained a 15-person team**, monitored cash registers and site operations remotely, and quickly mastered troubleshooting across all car wash systems.

PROJECTS AND ENGAGEMENTS

- **Participated in HackerOne and Bugcrowd bug bounty programs**; submitted reproducible security reports with proof-of-concept demonstrations and remediation recommendations.
- **Completed HackTheBox labs** focused on ethical hacking, privilege escalation, and bug bounty methodologies.
- **CodePath Blue Team (Oct 2024):** NGINX rate-limiting, SNORT IDS, Splunk/Wireshark analysis.
- **Burp Suite Automation API (Nov 2024):** Developed a Python extension exposing Burp Suite control via REST API for automated AI security testing.
- **MCP Kali Server (Dec 2024):** Contributed to an open source Model Context Protocol server automating Kali Linux pentesting tools; added 12 recon tools, SSH session management, and reverse shell capabilities. PR merged: github.com/TriV3/MCP-Kali-Server/pull/5
- **Full-Stack Merchant System (Nov 2024):** Deployed PERN stack app with CRUD, search/sort, dark mode. Live: full-stack-pern-app.vercel.app
- **Game Asset Reverse Engineering Toolkit (Dec 2024):** Reverse-engineered VXL/HVA/MIX binary formats; created Blender addon for 3D-to-voxel export.

CERTIFICATIONS

- Google Cybersecurity Certificate — *Accomplished Aug 5, 2024*
- CompTIA Security+ SY0-701 — *Accomplished July 29, 2024*
- CodePath: Intermediate Cybersecurity & Python Programming — *Accomplished Oct 15, 2024*