

Kayvon Karimi

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Professional Statement

Detail-oriented Cybersecurity professional pursuing a Master's in Cybersecurity Engineering with a foundation in penetration testing, network defense, and digital forensics. Skilled in network security, vulnerability assessment, security operations, and risk management. Completed a Cyber Security Pre-Apprenticeship program, further strengthening expertise in SIEM tools, cloud security, and governance frameworks. Passionate about securing systems, protecting sensitive data, and contributing to resilient cybersecurity teams.

Skills

- **Offensive Security & Vulnerability Assessment:** Wireshark, tcpdump, Burp Suite, Python (Intermediate), HTML5, JavaScript, CSS3, SQLmap, MySQL, FFUF, Gobuster, Nikto, aircrack-ng, Hashcat, PyCharm, Selenium (Web Automation/Testing), John the Ripper, Metasploit, Firewall Management, WebGoat, Nessus Essential, PowerShell, CMD, Hydra
- **Networking:** Nmap, OpenVAS, I.E 802.11 TCP/IP, DNS, HTTP, FTP, SSH, SSDP, VPN Management, Proxy Server Configuration, WireGuard, Tailscale, iptables, FileZilla
- **Cloud Security:** AWS (EC2, S3, IAM, Security Groups), Azure Cloud Basics, Pi-hole, PiVPN, Docker on AWS
- **Cryptography & Web Security:** OpenSSL, PuTTYgen, TLS 1.3, WPA2/WPA3, Certificate Authority, PKI, Apache2 HTTPS, TLS Key Logging & Decryption, Diffie-Hellman, Certificate Signing, Penetration Testing, Vulnerability Assessment
- **Systems & Administration:** Linux (Debian/Ubuntu), Windows Server Administration, Active Directory, Group Policy Management, RDP, Local Security Policy, Docker, Kubernetes, Active Directory, Group Policy Management, RDP, VirtualBox, macOS, Pi-hole, Wazuh, Operating Systems, Automated Software Deployment, Bash Scripting
- **Digital Forensics & Monitoring:** Autopsy, Volatility, Security Onion, Splunk, Snort, Wazuh (SIEM/XDR), Incident Response
- **Project Management:** IT project coordination, Research & Documentation, Static Site Hosting, WordPress, Adobe, CapCut
- **New Skill Group 1:** Offensive Security & Vulnerability Assessment, Burp Suite, sql

Education

University of San Diego

May 2026

Master of Science, Cybersecurity Engineering

- **GPA:** 4.00
- **Achievements:** The Cybersecurity Student Club

Texas A&M University

May 2012

Bachelor of Arts, Psychology, Minor in Business Administration

- **GPA:** 3.4
- **Achievements:** Men's D1 Tennis Team

Certifications & Training

- **Cyber Proud: Cybersecurity Pre-Apprenticeship Program:** May 2025
 - * Completed cybersecurity training covering computer fundamentals, cryptography, cloud security, with focus on security operations and vulnerability management.
 - * Gained hands-on experience with Windows/Linux, Active Directory, PowerShell, AWS, Docker, and Kubernetes.
 - * Developed practical skills in penetration testing, vulnerability assessments, network exploitation, SIEM tools, and IDS/IPS.
 - * Proficient in securing sensitive data, configuring proxy servers, and managing firewalls and VPNs.
- **CompTIA Security+:** December 2025
Scheduled
- **Google: Foundations of Cybersecurity:** August 2023
- **Harvard: VPAL Cybersecurity - Managing Risk in the Information Age:** July 2023

Cyber Security Projects

Court Crate Vulnerability Assessment

Jul 2024 - Aug 2025

Independent Security Project

- Conducted reconnaissance and scanning using Nmap and Nessus, identifying open ports, outdated services, and missing security headers.
- Analyzed and prioritized vulnerabilities by severity, producing a report with technical findings, CVEs, and recommended remediation.

VPN Client Monitoring with Wazuh SIEM (AWS Cloud Deployment)

Jul 2024 - Aug 2025

- Deployed AWS EC2 instance running Pi-hole and PiVPN (WireGuard) to provide secure DNS filtering and VPN access.
- Integrated Wazuh SIEM/XDR to monitor and generate alerts on VPN client logins and real-time detection and alerting.

OverTheWire: Natas Wargames (Web Exploitation & CTF Training)

Jun 2025 - Aug 2025

- Completed 20+ progressive web security challenges demonstrating skills in authentication bypass, input validation, session management.
- Gained hands-on experience in privilege escalation and secure coding principles through Capture-the-Flag training.

Wireless Encryption & Traffic Capture | Capstone Project

Feb 2025 - Apr 2025

Cyber Proud Cybersecurity Apprenticeship

remote

- Captured and decrypted over 5,000 WPA2-encrypted wireless traffic using a Wi-Fi adapter in monitor mode and Wireshark.
- Executed WPA2 dictionary and brute-force password cracking attacks with aircrack-ng, validating vulnerabilities in wireless security.

Protecting Pandas: Wildlife Sensor Security Analysis

Jan 2025 - Apr 2025

- Investigated vulnerabilities in RFID transmission and insider threats; proposed encryption (AES-CCM) and RF monitoring solutions.
- Designed deployable cybersecurity fixes within a \$100K field-ready budget.

Forensic Investigation with Autopsy

Nov 2024 - Dec 2024

- Analyzed over 300 registry artifacts (NTUSER.DAT, OpenSaveMRU) to correlate application usage and timestamps.
- Applied forensic tools: Autopsy, RegRipper, and manual registry inspections.

Work Experience

Court Crate

Oct 2019 - Present

Project Manager - (Present)

- Built subscription e-commerce business with full-stack WordPress development, CRM integration, and secure payment gateway setup.
- Grew a subscriber base to over 700 members through leadership, creative marketing, and strategic partnerships.
- Implemented web application security hardening (SSL/TLS, plugin Mgmt., vulnerability patching) ensuring 99.9% uptime protecting data.

Broadstone Sports Club

May 2023 - Present

Tennis Professional - (Part-Time)

Folsom, CA

- Mentor and coach players of all skill levels, building individualized development plans to foster growth, resilience, and strategic thinking.
- Cultivate strong communication skills by translating complex techniques into clear, actionable steps.

Golden Gate Realty

Jan 2020 - Nov 2022

Real Estate Agent

Dallas, TX

- Built trusted relationships with investors, utilizing strong analytical skills to identify high-value opportunities across the DFW metroplex.
- Completed 467 hours of professional education, demonstrating a commitment to continual learning and process improvement.
- Delivered \$10M in cumulative sales by leveraging strategic planning, attention to detail, and market analysis.

Tri-Force Marketing

Feb 2015 - May 2021

Web Developer

Dallas, TX

- Co Developed 100+ full-stack sites using HTML5, CSS3, JavaScript, PHP, and MySQL, integrating secure form handling and server-side validation.
- Implemented input sanitation and parameterized queries to mitigate XSS, CSRF, and SQL Injection across client platforms.
- Applied version control, SSL/TLS configuration, and access-log analysis to strengthen operational security posture.