

Professional Summary

Cybersecurity graduate student with hands-on experience in secure software development, cloud security, OS-level protections, and automation. Strong foundation in Python, Java, Bash, PowerShell, and C++ with practical exposure to AWS, secure APIs, threat analysis, and risk assessment. Experienced in vulnerability assessments, OSINT research, access control, and security governance. Brings leadership, discipline, and operational risk management experience from the U.S. Marine Corps.

Education

California State University San Marcos — San Marcos, CA

M.S. Cybersecurity (In Progress, Expected 2027)

Relevant Coursework: Cybersecurity Fundamentals, Information Systems Security Management, Information Security Governance, Regulation, and Compliance, Security in Computer Networks. Technology Assessment and Security Risk Management

B.S. Computer Science (Dec 2024, GPA: 3.27)

Relevant Coursework: Assembly Language & Digital Circuits, Operating Systems, Computer Security, Database Systems

Technical Skills

Languages: Python, Java, C++, C#, JavaScript, SQL, Bash, PowerShell, Lua

Security & Tools: Nmap, Wireshark, GuardDuty, CloudTrail, IAM, OS hardening, Shodan, Log analysis

Cloud: AWS EC2, IAM, API gateways, Cloud monitoring

Frameworks: Flask, React, Android Studio

Operating Systems: Linux (Ubuntu), Windows, macOS

Version Control: Git, GitHub

Certifications: Cybersecurity Management, Risk, and Governance Certificate — CSUSM (Master's Program) | Jira & Confluence | HackTheBox Linux/Windows/macOS | Network+ (in progress) | Security+ (in progress)

Project History

OSINT Vulnerability Assessment – Corporate Security Exposure

Graduate Research Project

- Conducted full-scope OSINT assessment using DNS records, Shodan, Cloud metadata, LinkedIn tech-stack analysis, and physical recon.
- Identified risks across API exposure, cloud misconfiguration, employee identity footprint, and physical access vulnerabilities.
- Built multi-matrix risk model (Network, Identity, Physical) and graph-mapped relationships between assets and exposures.
- Delivered professional report with mitigation recommendations (IAM hardening, OSINT monitoring, phishing reduction).

DHCP Protocol Implementation (Python)

- Implemented full DHCP workflow (DISCOVER → OFFER → REQUEST → ACK) to automate IP address management.
- Added error handling, logging, and record querying features to support secure and transparent network operations.

Secure Portfolio Web Application (Flask, SQLite, AWS)

- Built authentication with password hashing and role-based access control.
- Built integrated cloud tools (header analyzer, token decoder, threat simulation) to demonstrate secure IT utilities.
- Deployed on Render with environment variable management and HTTPS-enforced connections.

JX Operating System Research – Language-Based Memory Protection (Java Microkernel)

Graduate Research Project

- Studied type-safe memory isolation, capability-based security, and microkernel architecture.
- Evaluated Java-level OS memory protection vs. traditional C-based kernels.
- Analyzed benchmark performance impacts of type-safe IPC, GC behavior, and system call overhead.

Cloud Security Assessment (AWS)

- Conducted vulnerability scans using ARP spoofing and Nmap to evaluate cloud configurations.
- Audited GuardDuty, CloudTrail, and KMS implementations to identify weaknesses and improve security posture.
- Authored a detailed remediation plan to enhance compliance and threat detection.

Touge Heats – Android App (Java, SQLite, Flask)

- Designed a GPS-based route-tracking app with secure data handling and SQLite integration.
- Built Flask API endpoints for cloud sync and telemetry visualization dashboards.
- Simulated secure client-server communication using token authentication.

Professional Experience

Logistics & Operations Supervisor — *U.S. Marine Corps, Camp Fuji, Japan*

Jan 2019 – Jun 2020

- Served as Sergeant of the Guard, responsible for enforcing physical security controls, access authorization, and base integrity.
- Applied least privilege principles by assigning guard posts, access permissions, and issued equipment strictly based on role, clearance, and operational need.
- Conducted ID verification, credential checks, and visitor screening at controlled entry points.
- Enforced security SOPs, escalation procedures, and incident reporting standards.
- Managed IT-enabled inventory systems and assets valued over \$8M using Oracle GCSS-MC.
- Oversaw three maintenance facilities ensuring compliance, readiness, and operational continuity.
- Coordinated security procedures and collaborated with military police to ensure information and asset integrity.
- Awarded Navy and Marine Corps Achievement Medal for leadership and operational excellence.

Automotive Diesel Technician / Quality Control Supervisor — *U.S. Marine Corps, Camp Pendleton, CA*
Jun 2016 – Jun 2018

- Led diagnostic operations for networked vehicle systems; enforced quality assurance standards.
- Maintained classified data integrity under Secret Security Clearance.

Treasurer, Black Student Union (CSUSM)

Aug 2022 – May 2024

- Managed budgets, processed funding requests, and ensured fiscal transparency across university departments.