ELVIS TANG

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SUMMARY

Entry-level Cybersecurity Specialist with a B.S. in Computer Engineering from Cal Poly Pomona. CompTIA Security+ and Google Cybersecurity certified with foundational skills in threat detection, risk management, and incident response. Familiar with SIEM tools and vulnerability scanners. Eager to apply and grow in a hands-on security operations role.

EXPERIENCE

Stand Lead / IT   August 2024 – Present
Aramark   *Anaheim, CA*
- Managed inventory for 50+ items, patched POS systems, and ensured 100% compliance with health and safety standards.
- Delivered high-quality customer service, resolving 20+ issues per shift and increasing guest satisfaction scores by 15%.
- Supervised daily operations for a concession stand serving 1,000+ guests per shift, ensuring efficient service and smooth team coordination.

Instructor   November 2023 – Present
Coding Minds Academy   *Irvine, CA*
- Instructed 10+ students in Python, JavaScript, and game development, improving student project completion rates to 100%.
- Mentored students on projects aligned with cybersecurity and hardware to develop best practices, boosting retention.
- Designed age-appropriate curricula introducing Git, secure coding, and real-world software tools, resulting in higher engagement for student-based projects in software and hardware engineering.

Sponsored Embedded Systems Project Lead   August 2022 – May 2023
Lockheed Martin   *El Segundo, CA*
- Partnered with Lockheed Martin engineers to optimize algorithms, reducing processing latency of a UGV by 25%.
- Implemented and tested UART, SPI, and I2C protocols, reducing hardware/software interface bugs by 30%.
- Developed and debugged embedded C/C++ software for an unmanned ground vehicle, increasing system uptime and communication reliability by 50% making the turning maneuver 100% more efficient.

PROJECTS

Secure File Encryption and Decryption Utility *C++*
- Developed a C++ tool using RSA/AES encryption with file filtering, validation, and secure file deletion.
- Optimized performance by implementing single-allocation output buffers, reducing disk I/O operations during encryption and decryption.
- Integrated user-friendly menu navigation with dynamic file listing, error handling, and the ability to view both plaintext and encrypted file contents in hex format.

Security Information and Event Management *Python*
- Developed a Python-based SIEM prototype to aggregate, analyze, and alert on security events, enhancing threat detection.
- Implemented real-time log parsing and alerting to identify suspicious activities and improve incident response times.
- Designed modular, extensible code enabling easy integration with future data sources for scalable cybersecurity solutions.

Logging Hacker Information *Azure Sentinel*
- Deployed Azure Sentinel SIEM to detect and log over 500 cyber threat events in real-time.
- Integrated honeypot with Sentinel MAP to capture and visualize 200+ unique attack patterns.
- Strengthened security posture using Microsoft Threat Intelligence, improving detection response by 40%.

Authenticated Encryption / Hash *Romulus*
- Implemented Romulus AE and Romulus-H algorithms, achieving compliance with NIST lightweight cryptography standards.
- Developed nonce-resilient cryptographic modules improving encryption efficiency by 18%.
- Delivered secure hash function integration for applications requiring high resistance to collision attacks.

EDUCATION

Bachelor of Science Degree in Computer Engineering *California State Polytechnic University, Pomona*
Security+ SY0-701 *CompTIA*
Google Cybersecurity Professional Certificate *Coursera*
Mathematics Associate in Science Degree for Transfer (AS-T) *Cypress College*
Liberal Arts Associate in Arts Degree with an Area of Emphasis in Math and Science *Cypress College*

TECHNICAL SKILLS

Cybersecurity: Splunk, IBM QRadar, Microsoft Sentinel, Elastic Stack, Threat Hunting, Threat Intelligence, Security Monitoring, Incident Response, Malware Analysis, Vulnerability Assessment, Penetration Testing, Network Security, IDS/IPS (Snort, Suricata), Firewall Management, Endpoint Security, Cloud Security (AWS, Azure), Honeypots, DDoS Protection, Risk Assessment, NIST, ISO 27001, MITRE ATT&CK, OWASP
Cryptography: AES, RSA, SHA-256, Elliptic Curve Cryptography (ECC), TLS/SSL, Romulus AE, Romulus-H
Programming & Scripting: Python, PowerShell, Bash, JavaScript, C, C++, Lua, MATLAB, R
Development & Tools: AWS, Azure, Docker, Git, GitHub, Jira, Postman, MongoDB, Nessus, Metasploit