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. Proficient in Python and C/C++, with experience in Agile environments. Eager to apply and grow in a hands-on security operations role.

EXPERIENCE

Stand Lead / IT   August 2024 – Present
Aramark   *Anaheim, CA*
- Supervised daily operations of concession stand, ensuring efficient service and team coordination.
- Managed inventory, patched POS systems, restocked supplies, and maintained food standards in compliance with regulations.
- Delivered excellent customer service in a fast-paced environment, resolving issues and enhancing guest satisfaction.

Instructor   November 2023 – Present
Coding Minds Academy   *Irvine, CA*
- Taught Python, JavaScript, and game development to students aged 6–18, emphasizing problem-solving and coding practices.
- Designed curricula introducing version control (Git), software tools (Visual Studio Code), and secure coding fundamentals.
- Fostered technical skills by aligning projects with real-world software development and cybersecurity principles.

Embedded Systems Engineer Intern   August 2022 – May 2023
Lockheed Martin   *Los Angeles, CA*
- Developed and debugged embedded software in C/C++ for unmanned ground vehicles, focusing on reliable hardware-software integration.
- Implemented communication protocols (UART, SPI, I2C) to enable secure and efficient hardware interfacing.
- Documented system designs and test procedures, collaborating with cross-functional teams to meet project requirements.

PROJECTS

Logging Hacker Information | *Azure Sentinel*
- Implemented Azure Sentinel SIEM solution to proactively detect and respond to cyber threats in real-time.
- Integrated honeypot with Azure Sentinel MAP to gather attack data and visualize cyber threats, enhancing response.
- Utilized real-time global attack visualization and Microsoft Threat Intelligence to strengthen security measures.

Sensor Fusion Algorithms and Tracking for Autonomous Systems | *Lockheed Martin*
- Designed algorithms to integrate LiDAR, camera, and IMU data for enhanced awareness in unmanned ground vehicles.
- Validated real-time sensor fusion systems for accuracy and reliability in dynamic environments.
- Collaborated with Lockheed Martin to optimize performance and ensure industry-standard compliance.

Authenticated Encryption / Hash | *Romulus*
- Developed Romulus AE and hashing algorithms using the Skinny-128-384+ tweakable block cipher for strong security.
- Implemented Romulus-N, Romulus-M, and Romulus-T for efficient, nonce-resilient cryptographic processing.
- Integrated Romulus-H hash function to ensure collision resistance and provable security in cryptographic applications.

Data Visualization | *Identification of Statistically Significant Factors Contributing to Severity of Car Accidents*
- Analyzed Highway Safety data using machine learning and regression to identify crash severity factors.
- Applied multinomial and binary logit regression to identify key contributors like light conditions in crash severity.
- Concluded that accident severity, light conditions, and intersection population impact the likelihood of hit-and-run incidents.

EDUCATION

Security+ SY0-701 | CompTIA
Google Cybersecurity Professional Certificate | Coursera
Bachelor's Degree in Computer Engineering | California State Polytechnic University, Pomona
Associate's Degree in Science Transfer (Mathematics) | Cypress College
Associate's Degree in Arts (Math and Science) | Cypress College

TECHNICAL SKILLS

Cybersecurity: Azure Sentinel, SIEM Solutions, Threat Detection, Incident Response, Network Security, Penetration Testing, Vulnerability Management, Firewalls, IDS/IPS, Cloud Security, Honeypots, DDoS Protection, Risk Assessment
Cryptography: Romulus AE, Romulus-H, Skinny-128-384+ Block Cipher, Encryption/Hash Algorithms
Programming & Scripting: Python, JavaScript, R, MATLAB, C, C++, Lua, Scratch, Shell, PowerShell
Development Tools: Azure, AWS, Docker, Postman, Jira, Agile, Git, GitHub, MongoDB