

Quiara Kirkland

267-671-7686 | echoprotocol@tuta.com | qkirkland.github.io

Summary

Proactive Security Engineer with a strong background in developing secure applications and automating security workflows. Expertise includes vulnerability assessment, threat detection, log forensics, and malware analysis. Proven ability to leverage industry-standard tools and techniques to implement robust security solutions. Certified in multiple domains.

Professional Experience

Free Library of Philadelphia

Processing Supervisor | 12/2014 - 03/2025

- Managed and executed daily operational workflows, ensuring a consistent and efficient process.
- Led a team in maintaining data integrity and compliance, streamlining procedures to reduce errors.

Technical Projects

Python Development & Automation

- Developed and built custom security tools and automation scripts using secure, efficient, and maintainable Python code.
- Integrated industry-standard libraries to implement encryption, data parsing, and secure workflows.
- Architected a CLI Password Manager with encrypted storage, robust password validation, and comprehensive error handling.

Threat Detection & Log Analysis

- Automated the parsing and analysis of server logs to identify and flag suspicious activity and potential security incidents.
- Implemented pattern recognition using Python scripting to detect brute-force attempts, failed logins, and port scans.
- Created a Log Analyzer tool that streamlined the generation of actionable security reports from raw log data.

Secure File Transfer & Encryption

- Designed and deployed secure file transfer solutions using SSL/TLS protocols and self-signed certificates.

- Ensured data confidentiality and integrity by leveraging the Python cryptography library for end-to-end encryption.
- Engineered a Secure File Transfer Utility that enables encrypted file exchange between systems.

Education

- B.S. Cybersecurity and Information Assurance, Western Governor's University, 12/2025

Skills & Certifications

- **Technical Skills:** Python, Bash, Linux, Git, Cryptography, YARA, Security & Compliance
- **Certifications:** CompTIA A+, CompTIA Network+, SSCP, ITIL v4, ServiceNow CSA
- **Strategy:** Development with an emphasis on security and DevOps principles.