Christian Copeland

Phone: 423-424-8470
Email: christiancopeland37@gmail.com
LinkedIn: www.linkedin.com/in/christian-copeland37
Github: https://github.com/christiancopeland
Portfolio: https://christiancopeland.github.io/security-portfolio/

Professional Summary

Security Operations professional with CompTIA Security+ certification and hands-on experience in SIEM deployment, IDS/IPS configuration, and security automation through comprehensive homelab environment. Currently working in enterprise infrastructure support while actively developing SOC analyst capabilities through practical application of threat detection, incident response, and security monitoring tools. Combines technical security skills with network infrastructure experience and embedded systems background. Seeking SOC Analyst role to apply threat hunting, log analysis, and security monitoring expertise.

EDUCATION

CompTIA Security+	CompTIA, 2024
Google IT Support Professional Certification	Coursera, 2023
Google IT Automation with Python Certification	Coursera, 2023
A.S Computer Engineering (Incomplete)	Chattanooga State, 2024
High School Diploma	Soddy Daisy High School, 2021

Technical Skills

- **Security Operations:** Wazuh SIEM, Suricata IDS/IPS, Security Onion, TheHive/Cortex, Caldera, Nessus, Log Analysis
- **Tools:** Kali Linux, Metasploit, Wireshark, Scapy, pfSense, Proxmox, Docker, Burp Suite
- **Programming:** Python, Bash, Ansible, Git
  - **Systems:** Linux (Ubuntu, Debian), Windows Server, TCP/IP, VLANs, Network Segmentation

SECURITY OPERATIONS HOMELAB | 2023-2024

Built enterprise-grade security monitoring environment for hands-on SOC analyst skill development.

Stack: Wazuh SIEM • Suricata IDS/IPS • Security Onion NSM • TheHive + Cortex SIRP • Caldera adversary emulation • Nessus vulnerability scanner • pfSense firewall with VLAN segmentation • Kali Linux penetration testing • Windows Server 2022 + Win10 • Vulnerable machines (Metasploitable, DVWA, BWAPP)

Practice Areas: SIEM configuration and agent deployment • IDS/IPS signature tuning • Log analysis and correlation • Incident case management • Attack simulation and detection • Network forensics • Security automation with Python/Ansible

Projects

Terminal-PGP: Encrypted Chat Application | github.com/christiancopeland/terminal-pgp

- Built end-to-end encrypted group chat with PGP/GPG using Python socket programming and Textual UI
- Implemented client-server architecture with TLS transport security and multi-user pairwise encryption
- Demonstrates: Cryptographic protocols, key management, secure software development

Network Traffic Analyzer | github.com/christiancopeland/traffic-analysis

- Real-time packet capture and analysis dashboard using Scapy, NetworkX, and Plotly visualization
- AI-powered traffic insights via local LLM (Ollama) for automated anomaly detection
- Demonstrates: Network forensics, protocol analysis, port scan detection, C2 traffic identification

Work History

Site Administration Technician 3   **05/2025 - Present**

Company: Viapath Technologies

- Administer tech for county jail tablet program, escalating security and network incidents as needed
- Manage enterprise-grade devices including switches, APs, and rack-mount servers for secure environments
- Performing break/fix operations on wall mounted phones and tablets
- Document incidents, track hardware inventory, and collaborate closely with IT teams

Field Service Client Administrator   **10/2024 - 05/2025**

Company: Aventiv / Securus

- Acting as point of contact with incarcerated individuals to solve hardware/software issues
- Interacting with agency staff to cultivate healthy client relationships
- Regularly utilize Salesforce for timekeeping, daily work reports and occasional tech support escalation
- Learning to navigate towards productive issue resolution with non-compliant end users

Junior Embedded Systems Engineer   **09/2022 - Present**

Company: **Dave's Radio Controlled Electronics -** https://www.davesrce.com/

YouTube: https://www.youtube.com/@davesrcelectronics8879/videos

- Assisted in coding and testing firmware for critical safety features on PressureGuard
- Gained experience in hardware troubleshooting and embedded communications standards.
- Regularly solder electronic components to circuit boards
- Design 3D models using Solidworks and Tinkercad for 3D printing