

### Profile

Cybersecurity engineering graduate with specialized knowledge in system security, infrastructure protection, and security automation. Academic experience implementing file integrity monitoring, network defense systems, and secure coding practices. Seeking an entry-level cybersecurity engineering position to apply hands-on experience with security tools and implementation techniques in a professional environment.

### Education

2021–2025 **Bachelor of Arts and Science in Computer Science**, *University of Colorado at Colorado Springs*  
Specialization: Cybersecurity with Minor in Criminal Justice • National Cyber League Competitor

### Technical Expertise

Security File Integrity Monitoring • Network Security • Endpoint Protection • Cloud Security • Vulnerability Management • Engineering Security Architecture • Identity & Access Management • Security Automation

Security SIEM Systems • Tripwire • EDR/XDR Solutions • Vulnerability Scanners • Firewalls • IDS/IPS • Wireshark • Tools Metasploit • Nmap • Security Orchestration Tools

Programming Python • C++ • SQL • Bash/PowerShell • Security Automation • Linux • Windows Server • Network Architecture • & Systems Cloud Platforms

Security NIST Cybersecurity Framework • ISO 27001 • OWASP Top 10 • CIS Benchmarks • Security Controls • Compliance Standards Requirements

### Security Engineering Projects

#### Security Monitoring & Defense Systems

- Implemented comprehensive file integrity monitoring solutions to detect unauthorized system modifications
- Deployed network security monitoring tools and developed custom detection rules for threat identification
- Created automated security response workflows to contain and remediate potential security incidents

#### Security Infrastructure & Configuration Management

- Developed methodologies for auditing network devices and systems against security best practices
- Implemented secure baseline configurations for critical infrastructure components, reducing vulnerabilities
- Built security validation frameworks to ensure ongoing compliance with security standards

#### Application & API Security

- Engineered security controls for web applications and API endpoints to protect sensitive data
- Implemented secure authentication mechanisms and access controls for critical systems
- Created security monitoring tools to detect and prevent application-layer attacks in real-time

#### Security Automation & DevSecOps

- Developed security automation scripts for continuous monitoring and validation of security controls
- Created security testing frameworks to identify vulnerabilities during development processes
- Built security dashboards for real-time visualization of security posture and threat indicators

### Certifications & Professional Development

2025 **Google Cybersecurity Professional Certificate** — Comprehensive security implementation training

**Key Components:** Security Fundamentals • Risk Management • Network Security • Detection & Response • Python Security Automation • Linux & SQL Security • Incident Response

2024 **Professional Activities:** Mountain Lions Cyber Club • National Cyber League • Security Implementation Workshops

### Academic Projects & Activities

- Led cybersecurity awareness program development, reducing successful phishing attempts by 75%
- Developed machine learning-based anomaly detection system for network traffic analysis
- Created automated security validation tools to identify misconfigurations in system deployments
- Implemented secure coding practices in software development projects, with focus on OWASP Top 10