

Vermell E. Hill  
TS/SCI Security Clearance  
Vermell@VermellHill.com  
720-309-0327

## **Professional Summary**

*Willing to travel based on company needs  
References available upon request*

I am a diligent and results-oriented Technologist with a background in safeguarding assets and ensuring the highest standards of safety and security in private and public transportation systems. With a solid background in engineering principles, risk assessment methodologies, and regulatory compliance, I bring extensive experience in designing and implementing robust security measures to protect organizations against a variety of risks.

With a keen eye for detail, a passion for technology, and a commitment to excellence, I thrive in dynamic environments, leveraging a combination of technical expertise and strategic thinking to develop comprehensive security strategies tailored to the unique needs of each organization.

I have extensive experience conducting comprehensive security assessments to identify vulnerabilities and potential hazards and develop effective mitigation strategies. Whether evaluating infrastructural integrity, implementing multi-layered defense systems, analyzing operational processes, or educating staff on security best practices, I prioritize a proactive approach to enhancing operational safety and security.

My ability to communicate and document complex technical concepts in clear and accessible terms has proven instrumental in fostering a culture of security awareness throughout organizations. This allows me to collaborate closely with subject matter experts and engineering teams to gather information, verify accuracy, and ensure alignment with project objectives.

Over the course of my career, I have authored System Security Plans (SSP), Authority to Operate (ATO) Documentation, Interim Authorization to Test (IATT) documentation, Model Based Systems Engineering (MSBE) Documentation, High Level Design Documents, (HLDD), Contract Data Requirements Lists (CDRL), Security Plan of Action Maintenance Plans (POAM), and other high level documentation to support architecture and execution of transit, defense and space vehicle programs.

## **Education**

M.S., Computer Science, *Computer Systems Security*, Colorado Technical University 2014  
B.S., Nonprofit Business Development, Metropolitan State University of Denver 2011

## **Professional Certifications**

CompTIA Security Plus  
Scaled Agile SAFe Scrum Master 5.1  
ISC2 Certified Information Systems Security Professional - October exam date

## **Technical Skills**

**Storage:** Physical/Network (NetAPP, DotHill, Dell/EMC)  
**Virtualization:** VMWare, Citrix, Hyper-V  
**Cloud:** Azure, O365, AWS, Google, IBM, Gov Cloud/Cloud for Gvmt (AWS/Azure)  
**Network/Protocols:** Route/Switch, Security/Firewall  
**Collaboration:** Agile, SharePoint, Atlassian Suite (Jira/Confluence), ActiveBatch  
**Infrastructure:** MS Configuration Manager, Windows, Linux, Various appliance GUI  
**Database/Analytics:** Microsoft SQL, SQL Server Data Tools  
**Scripting:** PowerShell, Bash, JAVA, Python  
**Security:** DR/BC, SSP, Pen Testing, Vulnerability scanning, IDS/IPS, CASB, SIEM (Splunk), MS Defender Cloud Suite  
**Frameworks/Compliance:** ISO/IEC 27001, NIST, HITRUST, PCI DSS, GDPR, SOC, FedRAMP  
**CI/CD:** Jenkins, Kubernetes, Ansible  
**Process Methodologies:** ITIL, ISO, CORE, Scaled Agile, CMMI, Kanban, MBSE

## **Relevant Technical Experience**

### ***Parsons Corporation***

***July 2023-Present***

#### **Principal Systems Engineer/Scrum Master - MTC (classified)**

Develop tactical hardware and cybersecurity measures and strategies while collaborating with external and internal customers.

- Oversee design, development, documentation, and testing of complex tactical hardware and software systems from concept development through execution and sustainment
- Develop and lead adoption of appropriate standards, processes, procedures, and tools appropriate for the projects and technologies
- Develop High Level Design Documents for pre-launch systems including interface controls, systems security plans, working group charters, etc.
- As Scrum Master, lead Sprint and Kanban project management using the Atlassian Suite

### ***Raytheon Technologies***

***June 2019-July 2023***

#### **Senior Systems Engineer II - Euphoria (classified)**

Utilize strong knowledge of security frameworks and standards such as OWASP, FedRAMP, ISO, CIS Benchmarks, and NIST Cybersecurity Framework and excellent communication and collaboration skills to work effectively with cross-functional teams and stakeholders.

- Conduct Quality Control/Mission Assurance and code reviews to ensure secure coding practices are compliant and align with customer objectives
- Conduct vulnerability assessments and code reviews to identify and remediate security vulnerabilities
- Provided security awareness training to enhance understanding of secure coding practices and threat awareness

#### **Senior Systems/Security Engineer II - Earth Science Mission Operations (classified)**

Develop documentation and execute deployment of customer initiatives regarding space flight systems including, but not limited to, security measures, system enhancements, software development, and hardware engineering.

Supervised execution of systems security and compliance standards from agencies such as the Department of Homeland Security and Department of Defense.

#### **Product Owner**

- Work directly with the customer to define Contract Data Requirement Lists (CDRL) contract requirements, system security plans, operational activity calendar planning, and development meetings.

#### **Projects**

- Lead Security Practitioner – James Webb Space Telescope System Security Plan:
  - Using NIST and ISO as framework standards, develop the plan to establish the security posture of Raytheon's hardware within NASA's James Webb Space telescope development environment, pre and post launch environment, and in orbit operations
- Lead Security Engineer – Earth Science Mission Operations (ESMO) System Security Plan:
  - Represent the interest of the customer (NASA) when developing the policy that would establish the security posture of the infrastructure for various programs

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- Lead Security Engineer – Mission wide Symantec Endpoint protection upgrade: Symantec endpoint protection needs to remain upgraded in order to maintain DHS standards.
- Lead Engineer – ESMO Quarterly Systems Security Compliance Deployment:
  - Responsible for collaborating with the customer to identify requirements, deadlines, and measures of success for systems compliance

***Regional Transportation District***  
**Endpoint Security Engineer**

**July 2022-July 2023**

- Introduce Defense in Depth to the organization, which included developing, deploying, and manage cybersecurity controls, including vulnerability mitigation and standards compliance (NIST, ISO 27001, PCI/DSS)
- Create and maintain documentation related to the implementation and maintenance of end-point cybersecurity initiatives

Projects

- SCADA Light Rail network endpoint security initiative - Secure all endpoints that support Light Rail operations using CrowdStrike and Microsoft Security Suite
- CJIS RTD Police Data Protection Security Initiative - Secure sensitive data in the RTD Police department by restricting data transfer to and from said environment
- Attack Surface Reduction deployment - Harden operating systems by adding ASR rules to initial O/S build and existing endpoints

***SM Energy***  
**Senior Systems Administrator**

**July 2018-July 2019**

Manage automation and release management, virtual applications, servers, desktops, and cloud storage. Represent infrastructure when communicating with executives and stakeholders regarding developments within the business that are impacted by IT.

***Inspirato***  
**Senior Systems and Security Administrator**

**January 2018-July 2018**

- Develop and implemented a facility technology plan to monitor security of properties and corporate offices
- Collaborated with other organizational units to audit performance, security and effectiveness of security posture of vacation properties.
- Lead engineer – PCI/DSS and GDPR compliance/audit, ISP cutover, Secure IOT implementation

***Sage Hospitality***  
**Systems and Security Administrator**

**March 2015 – December 2018**

Secure and manage corporate office infrastructure as well as the infrastructure that supported hotels and restaurants which included physical facilities security. While there I developed technical methods, procedures, documentation and resources, as well as led projects to introduce defense in depth and enforce data protection standards to an organization that includes 80 properties across multiple domains and networks.

Projects

- Lead Engineer – Multi facility cloud-based security and data encryption: Unified IDS/IPS, vulnerability scanning and data encryption to endpoints across the organization
- Engineer – Sage Cloud: Architected and managed a privately hosted cloud environment to unify the management of property infrastructure

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## **Other Professional Experience**

***The University of Denver, University College Information and Communications Technology***  
**Affiliate Faculty (graduate and undergraduate) January 2024 - Present**

***Regis Jesuit University, Anderson College of Business and Computing***  
**Affiliate Faculty (graduate and undergraduate) August 2018-May 2023**

My passion for educating is complemented by a strong commitment to scholarly research and professional development. I am dedicated to staying abreast of current trends and best practices in my field, contributing to the advancement of knowledge through my own research endeavors, and integrating cutting-edge research findings into my teaching practice.

### **Courses Taught (all institutions)**

- Cybersecurity Policy and Compliance
- IT Audit and Risk Management
- Web Visualization Frameworks
- Cyber Crime and IT Compliance
- Enterprise Systems Architecture
- Info Technology Research Methods
- Ethical Hacking and Defense
- Human Computer Interaction

## **Leadership and Civic Engagement**

### ***Raytheon Black Employee Network (RAYBEN), Aurora Chapter Site Lead***

As the site lead for Raytheon Aurora Campus, I was responsible for leading initiatives that align with Raytheon's Employee Resource Group (ERG) mission. This includes managing the site wide budget, overseeing committees, and working with corporate leadership to enhance our presence and engagement on the campus, within the region, and nationwide.

- Appointed as Site lead in 2021
- RAYBEN 2020 Employee of the Year

### ***Raytheon Site Diversity Inclusion Council, Aurora Campus Board Member***

As a board member of the SDIC I directed Diversity Equity and Inclusion funding and activity for the Aurora Raytheon site to ensure that they aligned with Raytheon's corporate standards and DE&I directives.

### ***Clarence F. Holmes Omega Memorial Scholarship Foundation***

- Current Candidate for Chairman of the Board of Directors
- Elected Board Vice Chairman and Secretary
- Chair of the Website and IT Committee

### ***Omega Psi Phi Fraternity Inc. Chi Phi Chapter***

- Twice Elected Vice President
- Twice Elected Treasurer
- Four Time President's Award Recipient

### ***Families Against Violent Acts***

- Served as Board Chairman and Public Relations Chair from 2018 to 2022