

Jake Derkowski

CYBERSECURITY ANALYST · SECURITY OPERATIONS CENTER ANALYST

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Professional Experience

5Q Cyber

Dallas, Texas

SECURITY OPERATIONS CENTER ANALYST

Jan. 2021 - Present

- Identified vulnerabilities and triaged network events using the NIST and CIS frameworks to strengthen system security
- Created reports on a regular basis to illustrating security operations metrics and to educate clients
- Provided effective communication to the clients, created a team-like relationship that would bring insight and successes
- Developed custom applications and specific solutions for the clients, always with automation as the ultimate goal

Website, Inc.

Houston, Texas

SYSTEM ADMINISTRATOR

May 2020 - Nov. 2020

- Transferred clients' resources to an updated server where troubleshooting with clients was also a high priority
- Managed a Linux (CentOS) server environment that primarily used Apache2, MySQL databases, and PHP, over 100 client sites
- Quickly responded to customer's concerns and tickets by explaining or troubleshooting over the phone or SSH into their server

Skills

Languages	Ada, Agile Methodologies, Bash, C++, Java, PowerShell, Python, Kusto (KQL), SQL
Systems	Administration and maintenance of Linux/UNIX OS (Kali, Ubuntu, CentOS), Windows 10, and Server 2012R2/2016
Tools	Ettercap, exploit-db, M365/O365, Power BI, Git, Metasploit, Nmap, Snort, VMware, WireShark
Network	Active Directory, Azure, Cloud Computing & Migration, DNS, Firewalls, Group Policy, TCP/IP, Virtualization,
Security	SIEMs, Basic Splunk Queries, Azure Sentinel, Microsoft Security & Compliance, Threat hunting

Education

Sam Houston State University

Huntsville, Texas

MASTER OF SCIENCE, INFORMATION ASSURANCE & SECURITY

August 2020 - May 2022

- Center of Academic Excellence in Cyber Defense Education

(Online)

Sam Houston State University

Huntsville, Texas

BACHELOR OF SCIENCE, COMPUTER SCIENCE

June 2018 - May 2020

- Concentrated studies in Information Assurance and Digital Forensics, ABET Accredited
- Philosophy Minor

GPA: 3.33

Honors & Awards

2020	Best Project , Information Security Class Competition, Sam Houston State University	Huntsville, Texas
2020	Regional Qualifiers , Collegiate Cyber Defense Competition	Remote, U.S.A
2020	Dean's List , Sam Houston State University	Huntsville, Texas
2019	Dean's List , Sam Houston State University	Huntsville, Texas

Projects

Cyber Warfare

Class Project

SAM HOUSTON STATE UNIVERSITY

Jan. 2020 - May 2020

- Constructed a secure, fully functional virtual network using CentOS and Windows Server 2016 systems
- Successfully penetrated opponent's network using social engineering, scanning, enumeration, and exploit db

Zoom Project

Research Project

SAM HOUSTON STATE UNIVERSITY

Jan. 2020 - May 2020

- Identified vulnerabilities within the Zoom Video Conferencing application through extensive research
- Captured user credentials via packet poisoning and filtering; cracked with hash-cat
- Successfully discovered the cause of the vulnerability, then provided possible remediation