

Jake Derkowski

CYBERSECURITY ANALYST · NETWORK ENGINEER

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Summary

Information Assurance graduate student seeking a Cyber Security Analyst position within a Security Operations team focused on protecting their organization and customer's data from attack. Practical experience with Bash, Python, system administration, network engineering and monitoring system logs and captured packets. Available for relocation.

Education

Sam Houston State University

MASTER OF SCIENCE, INFORMATION ASSURANCE & SECURITY

- Center of Academic Excellence in Cyber Defense Education

Huntsville, Texas

August 2020 - May 2022

(Online)

Sam Houston State University

BACHELOR OF SCIENCE, COMPUTER SCIENCE

- Information Assurance and Digital Forensic
- Philosophy Minor
- ABET Accredited

Huntsville, Texas

June 2018 - May 2020

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

Skills

Languages Ada, Agile Methodologies, Bash, C++, Java, Python, SQL

Systems CentOS, Kali, Ubuntu, VyOS, Windows 7/10, Windows Server 2012R2/2016

Tools Ettercap, exploit-db, M365/O365, hashcat, Git, Metasploit, Nmap, Snort, VMware ESXi, WireShark

Network Active Directory, Azure, Cloud Migration, DHCP, DNS, Firewalls, Group Policy, TCP/IP, NAT, Ports & Protocols, Virtualization, VPN

Security Splunk queries, statistics and reports, Intrusion Detection & Prevention, Incident Response, Threat Hunting

Other Trouble shooting, Customer Service, Good Judgment, Technical Support, NIST & ISO Compliance

Relevant Work Experience

Website, Inc.

Houston, Texas

SYSTEM ADMINISTRATOR

May 2020 - Nov. 2020

- Successfully migrated client's websites to an updated server and software versions by establishing effective communication immediately
- 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

Technical Experience

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

Collegiate Cyber Defense Competition

Linux Specialist

SAM HOUSTON STATE UNIVERSITY

Jan. 2020 - May 2020

- Participated with a team, in life-like scenarios, where we worked together to protect and defend our network against active attacks from professional penetration testers, forcing us to communicate and work together to utilize the strengths of each individual
- Identified potential threats, acknowledged abnormal behaviors, and dispersed important communication throughout the team in order to mediate and prevent threats to the other machines