# Jake Derkowski

CYBERSECURITY ANALYST · INFORMATION SECURITY 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**                                                                      *Huntsville, Texas*

MASTER OF SCIENCE, INFORMATION ASSURANCE & SECURITY                                    *August 2020 - May 2023*

- CAE-CDE Accredited                                                                                          *(Online)*

**Sam Houston State University**                                                                      *Huntsville, Texas*

BACHELOR OF SCIENCE, DIGITAL FORENSICS & INFORMATION ASSURANCE                         *June 2018 - May 2020*

- Concentration in Information Assurance and Digital Forensics
- Minor in Philosophy                                                                                    **GPA: 3.33**
- ABET Accredited

## 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, PowerShell, Python, SQL |
| **Software** | CentOS, Kali, Linux, Microsoft Office, Git, Metasploit, Nmap, Snort, VMware, Windows 10, WireShark |
| **Network** | Administration, Firewalls, Ports & Protocols, Virtualization, Virtual Private Networks |
| **Security** | Auditing & Reporting, Intrusion Detection & Prevention, Incident Response, System Monitoring, Research |
| **Other** | Trouble shooting, Customer Service, Good Judgment, Technical Support, NIST & ISO Compliance |

## Relevant Work Experience

**Website, Inc.**                                                                                    *Houston, Texas*

SYSTEM ADMINISTRATOR                                                                                *May 2020 - Current*

- Managed Linux server environments and other technologies for over 100 clients
- Assisted in the migration of customer data to new server and updating their services improving scalability, security, and efficiency
- Assessed customer's MySQL database issues remotely

## Technical Experience

**Cyber Warfare**                                                                                    *Class Project*

SAM HOUSTON STATE UNIVERSITY                                                                    *January 2020 - May 2020*

- Constructed a secure, fully-functional virtual network using CentOS and Windows Server 2016 systems
- Successfully penetrated opponent's network through the use of social engineering, scanning, enumeration, and exploitdb

**Zoom Project**                                                                                    *Research Project*

SAM HOUSTON STATE UNIVERSITY                                                                    *January 2020 - May 2020*

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

**Collegiate Cyber Defense Competition**                                                            *Linux Specialist*

SAM HOUSTON STATE UNIVERSITY                                                                    *January 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