Aidan Balthazar

Aspiring Offensive Security Analyst

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Professional Summary

A certified Cybersecurity Professional through the Cyber Defense Program at the University of Central Florida, with knowledge in Microsoft, Linux, Cloud and Network Security, Python, Ethical Hacking, and Digital Forensics and Incident Response. An extremely disciplined individual, with excellent communication and time management skills carried over from 13 years of experience playing for the highest leagues in US youth soccer. Excited to utilize the determination and teamwork skills learned on the field, in a technology focused career.

Top Projects & Experience

Digital Forensics & Incident Response Final Project @ UCF

January 2023 // Orlando, FL

- Investigated a .pcap file and examined IPV4 packets in Wireshark using filters to identify the IP of the attacker. Used Zeek to investigate files and tunnel logs within the .pcap file.
- Installed WinRAR and investigated a malicious executable with Sysinternals strings64.
- Obtained and decrypted the hash of hidden users found in the Windows Registry with CrackStation in search of any backdoors left by the attacker using Autoruns.

Ethical Hacking Final Project @ UCF

December 2022 // Orlando, FL

- Successfully handled security challenges as an Investigative Penetration Tester, from a previous employee, who was fired for hiding sensitive data.
- Used various decryption methods to crack a hidden, password protected, file on the ex-employee desktop.
- Found additional sensitive data and strings in the company website source code and investigated the origins. Then decoded the string to a PHP code, used as a PHP file.
- Scanned the network for any suspicious machines, identified any vulnerabilities, then escalated privileges to root post exploit.

Python for Security Final Project @ UCF

November 2022 // Orlando, FL

- Created a Python script to verify if the current machine is under an On-Path attack via ARP Spoof.
- Filtered extracted data and saved it to a dictionary, checked for duplicated MAC addresses, and created a log file that includes time-related data.

Cyber Infrastructure & Technology Final Project @ UCF

October 2022 // Orlando, FL

- Connected to a mail server via Telnet and investigated emails for Splunk Enterprise log in credentials.
- Viewed simulated logged events within a honeypot and identified a suspicious download to successfully obtain the hidden flag in the mail server.

Computer Networking Final Project @ UCF

July 2022 // Orlando, FL

- Successfully planned and configured a corporate network and implemented basic security systems for a simulated, new bank branch in Miami.
- IP assignment and subnetting scheme, implemented VLANs and Trunk, Inter-VLAN routing, secured switch physical ports, secured remote access, set up Extended ACL, and configured initial settings for all network devices using the proper commands on the Cisco IOS CLI in Cisco Packet Tracer.

Education

UCF Cyber Defense Program

Mar 2022 – Feb 2023 // Orlando, FL

Graduated with a Cyber Defense certificate and developed defensive security skills via real-world simulations with expert-led instruction for a full year (430 hours).

1:1 Russian Language

Sep 2022 – Present 2023

A1 Proficiency Level at 110 Hours.

Florida Virtual School

Aug 2018 – May 2022 // Ocala, FL

Graduated with high school diploma and studied Digital Information Technology (Level 2), Foundations of Programming (Level 3 Python), Procedural Programming.

Skills & Certifications

Programming Languages

Python, HTML, CSS, JS, PowerShell

Tools & Platforms

Wireshark, Cisco Packet Tracer, Virtual Box, Windows Server 2012 R2, Nagios XI, pfSense, Amazon Web Services (AWS), Splunk, POP3, Telnet, PuTTY, WinRAR, VirusTotal

Operating Systems

Linux, Windows (7/8/10/11), macOS, Ubuntu, Debian, Parrot, Kali Linux

Certifications

Currently studying for CompTIA Security+ certification, exam date to be determined.

Transferable Skills

Leadership, Teamwork, Communication, Discipline, Time Management, Attention to Detail, Patience, Problem Solving

Network Security

Microsoft
DNS configuration, active directory, server core config, group policy management (GPO), file sharing and permissions, DHCP config, security policies and authentication/hardening

Network
Static and dynamic IP routing, subnetting, switches and routers, Cisco IOS, VLANs and Trunk, Inter-VLAN routing, DHCP and NAT implementation, access control list (ACL)

Cloud
Virtualization, virtual appliances, containers, securing cloud data, AWS management console

Linux
Apache, SSH and SCP, FTP, hardening Bash, boot protection, SSL encryption, log monitoring

Professional Experience

Product Mobilizer @ Love INC
June – Aug 2021 // Summerfield, FL
- Face-to-face customer service, specifically aimed towards the retirement community.
- Handled bulk storage organization and completed inventory checks.
- Accurately prepared quantity documentation for restock.

Interests

Soccer, Bible in a Year, building firearms, shooting range, weightlifting, digital design