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EDUCATION & CREDENTIALS

Certified Red Team Operator **(CRTO)**	August - 2023
HTB Certified Penetration Testing Specialist **(CPTS)**	June - 2023
HTB Certified Bug Bounty Hunter **(CBBH)**	January - 2023
HTB Genesis - Pro Labs Certified	March - 2023
Practical Network Penetration Tester **(PNPT)**	April - 2023
CompTIA **Security+** Certified	August - 2022
University of South Florida - **3.65 GPA**	B.S. in Cybersecurity – 2023

PROFESSIONAL EXPERIENCE

Synack, Remote   *Vulnerability Operator Intern* (July 2023 - Present)
- Working to validate the technical stature of offensive security exploits through threat emulation testing. This responsibility involved utilizing *web application pentesting* tools such as **Burpsuite Pro** and *API testing* tools such as **Postman**.
- Conducted internalized **penetration testing** campaigns on inactive bug bounty listings hosted through Synack's proprietary SHST platform.
- Conducted rigorous **mission testing**, corroborating numerous cybersecurity exploits such as XSS, SQLi, and leaked information with completed reports, in order to verify the technical actions performed during the report creation process.

Key Achievement:
Successfully validated the effectiveness of offensive security exploits and conducted thorough mission testing to verify technical actions, reinforcing cybersecurity efforts that play into offensive security testing and redteaming.

Flowers Foods, Remote   *Cybersecurity Apprentice* (September 2022 - September 2023)
- Utilized **QRadar**, **Okta**, **ServiceNow**, and **Cortex** to analyze internal incidents to perform historical analysis on the perceived threat. Integration of all these tools facilitated *access management* within customer **Active Directory** (AD) environments.
- Utilized **Tenable** to conduct vulnerability scans identifying anomalous activity within customer on-prem and cloud **(Azure)** environments.
- Practiced skills of **sandboxing** (ANY.RUN) along with various **OSINT** sources to build context for recurring incidents.

Key Achievement:
I have streamlined incident response operations within the company by creating a *process flow* which decreases redundancy in the incident analysis and remediation process.

INVOLVEMENTS

Whitehatters Computer Security Club, USF   *Red Team Teacher* (December 2021 - Present)
- Acted as a mentor and assistant to many beginner cybersecurity students.
- Developed challenges and helped coordinate a custom CTF teaching high school students cybersecurity skills in Florida districts **(50+ high school students taught).**
- Served as a teacher of penetration methodologies and redteaming to the Whitehatters Security Club member base.

Key Achievement:
As a leader of the Whitehatter's Red Team committee, I have taught and refined critical skills to be used in cybersecurity challenges (CTFs) that test skills of web exploitation and OSINT.

Protocol Security, *Tampa FL*   ***Founder*** (December 2022 - Present)
- Founded a local cybersecurity community dedicated to sharing insights in information security and software engineering while actively participating in national and local Capture The Flag (CTF) competitions.
- Organized meetings centered around Hack The Box and penetration testing challenges, and actively engaged in BSides security conferences, participating in associated CTF events.

PROJECTS

Personal Website, *squarezero.dev*
- I have created my personal website where I blog about my personal projects and writeups. I have two main projects posted on my website, ***Project Akane* (personal AI like Alexa)** and a **keylogger** that interacts with a Discord webhook.

Hack The Box, *Hacker*
- On the HackTheBox platform, I have completed over **70** modules across the **HTB Academy** program, and have achieved the reputable *Hacker* rank. To further my penetration testing mastery, I successfully completed the HackTheBox Genesis Pro Lab program.

TryHackMe, *Top 1%*
- I have completed several learning paths and cybersecurity rooms across the **TryHackMe** platform, netting me a placement among the **top 1% (<10000)** of users on the platform.

Home Lab Maintainer, *Personal*
- Built a **home lab** which currently hosts a **PiHole**, penetration testing lab, and a sandbox virtual machine. I am using Proxmox to maintain and conduct research within this lab.

CTF Automation, *overthewire.org | CTF*
- After solving various cybersecurity challenge, I have created automated solutions for those hosted on *overthewire.org*, and those which I have taken part of as a member of USF and the Whitehatters club.

Mobile Pentesting Research, *Research*
- Following TCM Security's academy courses and from my work at Synack, I have researched and performed multiple POC exploitations of **Android** and **IOS** apps using tools such as **JADX**, **MobSF**, **Burp**, and **FRIDA**.

SKILLS

Analytical Skills	**Technologies/Environments**	**Pentesting Tools**	**Programming Languages**
• Memory Forensics (Volatility)	• QRadar	• Burpsuite Pro & ZAP	• Python
• Network Traffic Analysis (Wireshark)	• Cortex	• Metasploit	• Bash
• OSINT & Sandboxing	• MySQL	• Nmap & Nessus	• C
• API Testing	• Windows and Linux	• Ffuf & Wfuzz	• Java
• Web Application Penetration Testing	• VMware & VirtualBox	• Feroxbuster	• CSS
• Mobile Penetration Testing	• ServiceNow	• Tenable	• HTML
	• Okta	• FRIDA	
	• ORCA		
	• MobSF		
	• JADX		

ACHIEVEMENTS

HackTheBox CTF @USF, *USF*
- **Placed 1st** (2022, 2023); the CTF which included forensics, webapp exploitation, and reverse engineering challenges.

HackSpaceCon Pentesting CTF, *Kennedy Space Center*
- **Placed 3rd** in a CTF hosted by Dark Wolf; competition consisted of redteam professionals in pentesting.

Saint Leo University CTF, *Saint Leo University*
- **Placed 2nd** out of six teams in a local collegiate competition. The CTF involved challenges centered around broken authentication, **memory forensics**, **OS injection**, and cryptographic algorithm exploitation.