

ETHAN COUCH

SECURITY ANALYST | SECURITY +
HONORS CYBERSECURITY STUDENT

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EDUCATION

BACHELOR OF SCIENCES IN CYBERSECURITY

University of South Florida - **3.9 GPA**
Graduation: Fall 2023

SKILLS

Technical Skills

- C, C#(Visual Studio), Python
- Database Management (MySQL)
- Networking (Web Buckets with BackBlaze, Proxmox server administration)
- Application of Cryptographic Algorithms (RSA, AES, DSA, MD5)
- Vulnerability Scanning (Nmap, Nessus, OpenVAS)
- Hypothesis Analysis (A/B testing)
- Data Analytics (Excel)
- Data Visualization (Tableau)

Security Tools

- Metasploitable, Burpsuite, Hashcat
- Nmap, Netstat, Volatility, Powershell, Wireshark
- VMware, VirtualBox, AWS
- Splunk, QRadar, LogRhythm, Exabeam, SentinelOne, CrowdStrike, Microsoft ATP, CarbonBlack

EXPERIENCE

SECURITY ANALYST INTERN

ReliaQuest, Tampa FL
June 2022 - August 2022

- Utilized Splunk, QRadar, LogRhythm, and Exabeam to analyze outlying activity within **10** customer environments.
- Collaborated with **~10** customers to *triage*, and *prevent* incidents using EDR tools such as CrowdStrike, SentinelOne, and CarbonBlack.
- Built *SIEM queries* using Splunk, SentinelOne, and Exabeam search syntaxes to *detect* true positive IOCs (**~20% success rate**).
- Employed **sandboxing** (ANY.RUN), OSINT (VirusTotal, Cisco Talos), and automated playbooks to run investigative campaigns against prevalent customer threats.

WHITEHATTERS COMPUTER SECURITY CLUB - SECRETARY

USF, Tampa FL
December 2021 - December 2022

- Led **3** educational meetings on system hardening, scripting, system administration, and virtualization.
- Educated members on the Volatility framework for memory analysis roles following **6** Chapters of *The Art of Memory Forensics*.
- Orchestrated a custom CTF teaching **~50 high school students** foundational technical skills within security in Florida districts.
- As a leader of part of the Whitehatter's Public Relations committee, I have led the expansion of the club's member count (**5 to ~100 members**).

PROJECTS & ACTIVITIES

- Placed **2nd nationally** in the NSA's CAE-NCX Cyber Competition.
- Placed **35th nationally** in the Fall 2021 Cyberforce Department of Energy Competition; Team captain of the Fall 2022 Cyberforce competition.
- Placed **33rd/300** in the 2021 Hivestorm competition; placed **50th/300** in the 2022 Hivestorm competition.
- Maintaining a home lab comprised of a server, server rack, and switch. Used Proxmox to administrate a *DNS sinkhole* and *honeypot*.
- Led a team in building a robotic deliverable implementing Arduino code and sensor-based navigation.

HONORS & CERTIFICATIONS

- CompTIA **Security+** (2022-2025)
- ReliaQuest Cybersecurity Labs Graduate
- USF Dean's List (2020, 2022)
- Florida Bright Futures Scholarship
- USF Director's Award
- USF Scholars Award
- USF Business Ethics Scholarship
- Herbert & Elaine Gimelstob Scholarship
- Computing Partners Program Scholarship