

## EDUCATION & CREDENTIALS

University of South Florida, *Honors College* - **3.91 GPA**; *Summa Cum Laude*  
CompTIA Certified - **Security+**, **CySA+ (CSAP)**

B.S. in Cybersecurity  
September 2022 - 2025

### Awards

USF Dean's List (2020, 2022, 2023) • USF Director's Award • USF Scholars Award • USF Business Ethics Scholarship  
Herbert & Elaine Gimelstob Scholarship • Computing Partners Program Scholarship • Florida Academic Scholar

### Security Clearance

DoD **Secret** Clearance (**Active - 2023**) • DHS Suitability/Fitness (**Active - 2023**)

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## SKILLS

### Analytical Skills

- Technical Writing (CTI)
- Memory Forensics
- Network Traffic Analysis (Wireshark)
- OSINT & Sandboxing
- Threat Detection
- Security Monitoring

### Technologies/Environments

- Splunk, QRadar, LogRhythm
- ServiceNow, MySQL, AWS, VSphere
- SentinelOne, Falcon XDR, Microsoft ATP, CarbonBlack
- Windows and Linux System Administration
- Azure Active Directory

### InfoSecTools

- Burpsuite & ZAP
- Metasploit
- Nmap
- Nessus
- Kali Linux
- Volatility
- Ghidra
- NPM, Pip

### Programming Languages

- Python
  - HTML + CSS
  - JavaScript - React, Node.js
  - PowerShell
  - C, Embedded C
  - Java, C#
  - Sigma, YAML
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## PROFESSIONAL EXPERIENCE

### The MITRE Corporation, McLean Virginia

*Cyber Operations Intern* (May 2023 - August 2023)

- Developed and optimized **detection analytics** aligned with the MITRE **ATT&CK** framework in **Sigma** and **Splunk** formats.
- Served as a consultant to a **DoD** agency, providing advancements in areas of network traffic capture, encrypted traffic analysis, **threat detection**, and incident response protocols. Enhanced threat reporting and **threat intelligence** coverage.
- Gained expertise in **embedded systems** design and **C** programming via MITRE's eCTF competition, performing firmware extraction and **hardware exploitation**.

### Key Achievement:

Enhanced government threat hunting initiatives by developing 30+ **threat intelligence playbooks** that offer guidance across cyber operations of threat detection and emulation, incident response, and network artifact collection. All playbook deliverables were dynamically rendered in a **Node.js** tech stack composed of a **REACT** front-end and **Express** back-end.

### ReliaQuest, Tampa Florida

*Incident Response Intern* (June 2022 - August 2022)

- Utilized Splunk, QRadar, LogRhythm, and Exabeam to analyze outlying activity within the application/authentication logs of **10** customer environments.
- Collaborated with **~10 customers** to *triage* and *prevent* incidents using *EDR* tools such as Crowdstrike, SentinelOne, and CarbonBlack.
- Employed skills in **sandboxing** (ANY.RUN), **OSINT** (VirusTotal, Cisco Talos), and automated playbooks to run remediating campaigns against prevalent customer threats.

### Key Achievement:

Built **SIEM queries** using Splunk, SentinelOne, and Exabeam search syntaxes to *evaluate* true positive IOCs (**~20%**).

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## PROJECTS

### Cybersecurity Home Lab, *Personal*

- Built a **home lab** consisting of a server, server rack, and switch. Currently using Proxmox to *administrate* many virtual machines, of which are responsible for a *DNS sinkhole*, a *log collector*, and a *virtualized honeypot*.

### FourFlyer, *USF*

- Led a 6-week project in building a robotic deliverable implementing Arduino code and sensor-based navigation.

### SkyScraper, *Personal*

- Developed SkyScraper-- an 8-week collaborative project developed in a sprint by a team of four. SkyScraper encompassed the development of a **Python-based** web scraper, UML diagram utilization, **API** integration, and simplistic user interaction. The end product is a dynamic tool for comparing airline ticket prices based on *user input parameters*.

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## INVOLVEMENTS

### Whitehatters Computer Security Club, *USF*

**Secretary** (December 2021 - December 2022)

- Fostered knowledge on utilizing the Volatility framework for memory analysis/incident response challenges following **6 Chapters** of *The Art of Memory Forensics*.
- Orchestrated a custom CTF teaching high school students foundational technical skills within cybersecurity in Florida districts (**50+ high school students taught**).
- Led **3** educational meetings on *system hardening & scripting* (Powershell), system administration, and virtualization.

### Key Achievement:

As a leader of the Whitehatter's Public Relations committee, I led the expansion of our club in terms of member count (**5 to 100+**) and cybersecurity knowledge, and have established a lasting *funding partnership* (**\$16,000/yr**) for our club.

### Protocol Security, *Tampa FL*

**Founder** (December 2022 - Present)

- Established an independent cybersecurity community focused on sharing knowledge related to information security and SWE, as well as competing in national and local CTFs.
- Held various meetings centered around **Hack The Box** and penetration testing challenges. Attended various *BSides* security conferences and their accompanying CTFs.

### USF Judy Genshaft Honors College, *USF*

- Conducted undergraduate thesis research examining artificial intelligence, human interaction, and ethical dilemmas in their synergy. Received various scholarships, completed **2** theses, and graduated with honors.

### CAE-NCX Cyber Competition, *NSA/CAE*

- Participated in a 4-day long cybersecurity competition that challenged skills of software development, packet analysis, cryptography, computer forensics, and active cyber offense/defense. Our team **placed 2nd in the nation**.

### Saint Leo University CTF, *Saint Leo University*

- **Placed 2nd** out of six teams in a local collegiate competition that challenged participants in fields of memory forensics, web application penetration testing, and cryptographic algorithm exploitation.

### Cyberforce Competition, *Department of Energy*

- **Placed 35th nationally** in the Fall 2021 Cyberforce Competition. Team captain of the Fall 2022 Cyberforce Competition. Competition trained system hardening skills across multiple AWS-governed virtual machines.

### Hivestorm Cyber Defense Competition, *Remote*

- **Placed 33rd/300** in the 2021 Hivestorm competition; placed 50th/300 in the 2022 Hivestorm competition.

### Mentor Collective, *USF*

- Served as a dedicated mentor for undergraduate students, providing guidance in various computer science and engineering-adjacent courses, including SQL databases, conceptual physics, precalculus, and statistics.