Jacob Acuna

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EXPERIENCE

Student Researcher   **October 2024 – Current**
MISSP CONCISE Internet of Things (IoT) Security Research Lab

- Working in the IoT Security Research Lab to train an AI model to identify malicious behavior in IoT devices using anomalous and behavior-based behavior quickly
- Created a test bed to safely reverse engineer and execute the malware samples to identify the functions and understand how the malware operates

SOC Analyst Intern   **August 2024 – December 2024**
University of Texas Systems (UTS)   *San Antonio, TX*

- Monitored 30,000+ endpoints and 36,000+ users, performing log analysis and triaging alerts enterprise EDR, SIEM and MFA solutions
- Utilized playbooks and response templates to streamline incident response processes and ensure consistent and effective mitigation of security threats
- Assessed the security impact of alerts and traffic anomalies to identify malicious activities, taking mitigating actions or escalating to senior team members when appropriate
- Cooperated with other teams to successfully mitigate any threats through efficient communication

IT Systems Intern   **May 2024 – July 2024**
Sweetwater   *Fort Wayne, IN*

- Collaborated in the implementation, modification, and troubleshooting of computer systems services over 3,000 endpoints and 2,500 users
- Managed devices using JAMF's MDM solution. Utilized Infoblox to manage DHCP rules, and utilized SNIPE's asset inventory features
- Executed project management skills by developing a plan to upgrade the images on 150+ Raspberry Pis
- Developed proficiency with Mac and Windows Server Systems, gaining hands-on experience with key server technologies and platforms

CERTIFICATIONS

- CompTIA Security +   Expires April 2027
- CompTIA Cybersecurity Analyst (CySA+)   Expires April 2027
- HTB Certified Defensive Security Analyst (CDSA)   December 2024

EDUCATION

University of Texas at San Antonio   **Currently Enrolled**
Bachelor of Business Administration in Cyber Security and Information Systems   *3.97 Deans list*

- Infrastructure team for Computer Security Association   February 2024 – October 2024

COMPETITIONS

- Department of Energy (DoE) Cyber Force: **9/98**   November 2024
  - Specialized in Forensics and OSINT CTF challenges, performed NESSUS vulnerability scanning, and conducted Windows System hardening. Created a C-Suite Security documentation related to findings.
- RowdyCon: **1/50**   November 2024
  - 12 hour CTF event in which I focused on web exploitation and OSINT challenges.