AARON SOLIS

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EDUCATION

The University of Texas at San Antonio   May 2026
B.S., Computer Science   GPA: 3.98 / 4.0
- Minor in Cybersecurity

TECHNICAL SKILLS

- Programming Languages: C, Java, Python, BASH, C#
- Tools & Frameworks: Git, Wireshark, Nmap, John the Ripper, Snort, Metasploit, Aircrack-ng, Kismet, ATT&CK, Autopsy, Splunk, Suricata, NIST

PROJECTS

System Exploitation of x86/x64 Computers
- Compromised 8 systems using buffer overflows, format string vulnerabilities, and ROP chaining
- Developed custom scripts to automate remote attacks, optimizing exploitation on multiple systems
- Gained root access on each system by planting backdoors and implementing persistence techniques

WEP/WPA Insecurities
- Analyzed 12 WEP/WPA access points using Kismet, capturing beacon frames, SSIDs, and MACs
- Captured and cracked WPA handshakes; executed fake auth, ARP replay, and ChopChop attacks to expose encryption flaws
- Modified Aircrack-ng source code and rebuilt tool to support analysis of hidden or obfuscated SSIDs

Cybersecurity Audit for Nonprofit
- Conducted a cybersecurity audit for a nonprofit organization, identifying vulnerabilities and evaluating security practices against NIST IR 7621 guidelines
- Developed a tailored audit checklist to assess compliance and deliver targeted recommendations for strengthening organization's security posture
- Delivered a detailed risk report and presented mitigation strategies to leadership, improving organizational resilience and security awareness

PROFESSIONAL EXPERIENCE

Fraud Intern   May 2025 - August 2025
Randolph Brooks Federal Credit Union, San Antonio, Texas
- Mapped 37 high-dollar fraud cases into enterprise risk assessments, improving threat visibility and strengthening control strategies
- Performed root cause analyses on major fraud cases, aligning with ERM and NCUA standards to reinforce organizational controls
- Investigated alerts in Verafin and Actimize, validating anomalies through pattern analysis and escalating high-risk events

Doe Medal Ug Research Lab Assistant   August 2024 - May 2025
The University of Texas at San Antonio, San Antonio, TX
- Implement predictive maintenance algorithms for IoT and robotics operating machine learning
- Coordinate and collaborate with professors to support student learning
- Collaborate on AI/ML solutions for embedded systems to ensure seamless integration
- Facilitate development of research papers and technical documentation