

Jennifer Marie Saldana

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EDUCATION

Louisiana State University A&M

Baton Rouge, LA

Bachelor of Science in Computer Science, Minor in Digital Media Arts & Engineering

Aug. 2022 – May 2026

Awards: 3x President's Honor Roll, 1x Dean's List

Related Coursework: Malware Analysis/RE, Computer Networking, Computer Architecture, Operating Systems

Organizations: Colorstack, WiCS, SSL

EXPERIENCE

CTF Lead

Mar. 2025 – Present

LSU A&M University

Baton Rouge, LA

- Designing custom Capture the Flag (CTF) challenges for LSU's cybersecurity competition, covering topics such as web exploitation, reverse engineering, steganography, and cryptography
- Planning engineering open house events, CTF meetings, and preparing technical content to improve members' problem-solving skills in cybersecurity challenges

Offense Team

Jan. 2025 – May 2025

Cybersecurity Clinic at LSU A&M University

Baton Rouge, LA

- Executed five phishing campaigns using GoPhish, assessing awareness and email security for 100+ users
- Created five detailed risk assessment reports with remediation recommendations, identifying and prioritizing business risks, leading to a 25% improvement in overall security posture for client organizations
- Conducted two cybersecurity seminars for 15+ small businesses, improving their data protection practices and reducing security incidents by 30% within 6 months

Big Sibling Peer Mentor

Jan. 2025 – May 2025

LSU A&M University

Baton Rouge, LA

- Mentored seven first-generation Computer Science underclassmen, providing academic and career guidance, resulting in an average GPA increase of 0.5 and a 72% internship placement rate

Web Interactive Intern

Jun. 2024 – Aug. 2024

Covalent Logic

Baton Rouge, LA

- Audited and validated 200+ WordPress pages, ensuring interactive elements like forms, buttons, menus, and navigation paths functioned as intended in preparation *Southern Foundation's* final review and launch
- Collaborated with cross-functional teams to develop and design the Q2 newsletter for *Manda Sausage*, resulting in a 15% increase in email open rates and enhancing communication and engagement with the audience

PROJECTS

Software Defined Network Controller | *Python*

May 2025

- Designed and implemented a custom SDN controller in Python, incorporating weighted path routing, bandwidth-aware load balancing, and dynamic flow reconfiguration after link failures

Cybersecurity Hygiene Project | *Google Sites*

April 2025 – May 2025

- Designed seven beginner-friendly cybersecurity training modules for small businesses, covering phishing, password safety, backups, and incident handling, resulting in a 40% increase in security awareness among 100+ participants

Messaging Web Application | *Django, Python, HTML, CSS*

Oct. 2024 – Dec. 2025

- Conducted security testing with Burp Suite for vulnerabilities, Wireshark for packet analysis, and Nikto for scanning web server misconfigurations
- Developed threat models addressing risks like SQL injection and DoS

TECHNICAL SKILLS

Certifications: GIAC Penetration Tester (GPEN), Malware and Memory Forensics Training with Volatility, CISSP (*in progress*)

Languages: C, Java, Python, Spanish

Software/Tools: Splunk, Linux, PowerShell, Bash, Nmap, Nessus, AWS, VSCode

Libraries: pandas, NumPy, Matplotlib