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: 4x 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 — May 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, stenography, 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