Jennifer Marie Saldana
Baton Rouge, LA (Open to relocation)

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Education

Louisiana State University (LSU) | Baton Rouge, LA   **Expected Graduation Date: May 2026**
Bachelor of Science, Computer Science & Cybersecurity   *GPA:3.909*

- Digital Media Arts & Engineering Minor in Technology
- **Awards:** 3x President's Honor Roll, 1x Dean's List
- **Organizations:** Colorstack, WiCS, SSL
- **Related Coursework:** Malware Analysis/RE, Computer Networking, Computer Architecture, Operating Systems

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

Experience

CTF Lead   **March 2025 – Present**
Security Society at LSU, 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   **January 2025 – May 2025**
Cybersecurity Clinic at LSU, Baton Rouge, LA

- Executed 5 phishing campaigns using GoPhish, assessing awareness and email security for 100+ users.
- Created 5 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 2 cybersecurity seminars for 15+ small businesses, improving their data protection practices and reducing security incidents by 30% within 6 months.

Web Interactive Intern   **June 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 for SUSF's final review and launch.
- Collaborated with cross-functional teams to develop and design the Q2 newsletter for Manda, resulting in a 15% increase in email open rates and enhancing communication and engagement with the audience.

Projects

Software Defined Network (SDN) controller   **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   **April 2025 – May 2025**

- Designed 7 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 | Python, HTML, CSS   **Oct 2024 – Dec 2024**

- 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.

Activities

- **TigerAI - LSU/IBM AI Security Summer Boot Camp -** Focused on topics such as AI Attacks and Defenses, GPU Acceleration for AI, AI Ethics and Data Governance, Human-Centered AI, & Environmental Impacts of AI.
- **Big Sibling Peer Mentor at LSU -** Mentored 7 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.