Catherine Rodriquez

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Education

Louisiana State University | Baton Rouge, LA   May 2025

Roger Hadfield Ogden Honors College   GPA: 3.85

Bachelor of Science, Computer Science | Cybersecurity | Software Engineering

- Minor: Digital Media Arts and Engineering Technology
- Distinguished Communicator Candidate

Technical Skills

- **Languages**: JavaScript, Java, C/C++, Python, C#, SQL, HTML/CSS, React.js, Node,js, P5.js, Tone,js, Tailwind.css, Next.js, Flutter
- **Databases**: MySQL, Firebase
- **Software/Tools**: LaTeX, Microsoft Power Apps, Arduino, VS Code, Figma, Eclipse, PyCharm

Experience

Deloitte   June 2024 – August 2024

Cyber and Strategic Risk Intern | Houston, TX

- Partnered with AT&T to deploy multifactor authentication (MFA) solutions, significantly strengthening security protocols and safeguarding sensitive data.
- Led the analysis and evaluation of client security frameworks, pinpointing vulnerabilities and crafting comprehensive strategies to address and mitigate potential risks, strengthening the security posture.

TigerByte   August 2023 – April 2024

Workshop Coordinator | Louisiana State University

- Developed and conducted TigerByte, an interactive cybersecurity workshop for non-computer science majors in collaboration with an LSU professor, covering threats, best practices, and risk mitigation strategies.

Projects

Gratitude Journal | Personal Project   August 2024 - September 2024

- Developed a Daily Gratitude Journal web app using React, Tailwind CSS, and Next.js, integrating Firebase for real-time data and authentication, with Scrum for task management, and added dynamic animations with Framer Motion for a modern, responsive design.

Tiger Dorm Defender | Geaux Engineering   August 2024

- Designed a secure dormitory access control system using a full stack approach, utilizing React.js, Node.js, Tailwind.css, and MySQL, ensuring authentication of student residents through LSUID verification.

AI-rcade | Personal Project   March 2024 – July 2024

- Developed an interactive arcade website using HTML, CSS, and JavaScript that incorporates mini games such as Tic-Tac-Toe and Word Search, with more to come.
- Implemented sophisticated AI algorithms to enhance gameplay and create challenging opponents.

Baby Groot | Personal Project   June 2024 – July 2024

- Leveraged Python's Turtle module to design intricate graphics that draw and animate Baby Groot, encouraging creative problem solving and engagement to the young students participating in eXploreCS.

Leadership and Activities

- Web App Development | Vice President 2024-25
- Chevron Leadership Academy 2022-2025
- Geaux Engineering | Design Leader 2023-25

- TigerAI Boot Camp
- Society of Peer Mentors (SPM)
- eXploreCS Summer Camp | Mentor 2023-24