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 TigerByte, a workshop aimed at enhancing the understanding of cybersecurity among non-computer science majors, in collaboration with an LSU professor.
- Conducted engaging and interactive sessions to educate participants on cybersecurity threats, best practices, and risk mitigation strategies.

Projects

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.
- Integrated security measures, including real-time error handling, to build a scalable and secure application.

AI-rcade | Personal Project   March 2024 – Present

- Developed an interactive arcade website using HTML, CSS, and JavaScript that incorporates mini games such as Tic-Tac-Toe, Word Search, and Connect Four, 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 Experience and Activities

- Chevron Leadership Academy 2022-2025
- Security Society at LSU (SSL) | Secretary 2023-2024
- Geaux Engineering | Design Leader 2023-2025
- TigerAI Boot Camp
- East Laville Community Council | Historian 2022-2023
- Society of Peer Mentors (SPM)
- Chillennium Collegiate Game Jam 2023
- eXploreCS Summer Camp | Mentor