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

Experience

Deloitte   June 2024 – August 2024

Cyber and Strategic Risk Intern | Houston, TX

- Collaborated with AT&T to implement Multi-Factor Authentication (MFA) solutions, enhancing security protocols.
- Assisted in the analysis and evaluation of client security frameworks to identify and mitigate potential risks.

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

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.

Technical Skills

Languages: JavaScript, Java, C/C++, Python, C#, SQL, HTML/CSS, MatLab, TypeScript

Software/Tools: LaTeX, Microsoft Power Apps, React.JS, Node.js, Redux, Arduino, , P5.js, Tone.js, Tailwind.css

Leadership Experience and Activities

- Chevron Leadership Academy 2022-2025
- Security Society at LSU (SSL) | Secretary 2023-2024
- Geaux Engineering | Mentor 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

Honors

- Taylor Opportunity Programs for Students Honors (TOPS) 2022-2025
- Chevron Energy Leaders Scholarship 2022-2025
- Chick-fil-A Remarkable Futures Scholarship 2023