

Catherine Rodriquez

Hammond, LA | (225)772-1794 | catherine.rodriquez04@gmail.com | <https://catrodriquez.dev>
www.linkedin.com/in/catherine-rodriquez04 | <https://github.com/CatherineRodriquez04>

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

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, Word Search, and Connect Four, with more to come.
- Implemented sophisticated AI algorithms to enhance gameplay and create challenging opponents.

Leadership Experience and Activities

- Web App Development | Vice President 2024-25
- Chevron Leadership Academy 2022-2025
- Security Society at LSU (SSL) | Secretary 2023-24
- Geaux Engineering | Design Leader 2023-25
- TigerAI Boot Camp
- Society of Peer Mentors (SPM)
- Chillennium Collegiate Game Jam 2023
- eXploreCS Summer Camp | Mentor 2023-24