

Lauren Rodriguez

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EDUCATION

St. John's University – B.S. GPA: **3.92** | M.S. GPA: **4.00**

Bachelor of Science in Computer Science

Master of Science in Data Science

Honors Societies: CCPS Honors Society, NSLS, ODK, Phi Eta Sigma, Dean's List 2022-25.

Queens, NY

May 2026

May 2027

EXPERIENCE

Assemblies of God – El Eden Church – Technical Director, Brooklyn, NY

Mar 2022 – Present

- Administer the Technical Ministries by managing soundboard operations, configuring microphones and audio equipment, and troubleshooting technical issues to ensure smooth execution of services, live streams, and large-scale community events.
- Implemented a new PC infrastructure and integrated ProPresenter software to improve technical efficiency, streamline service presentations, and support high-quality audio-visual experiences during live events and services.
- Create promotional assets and manage social media platforms, boosting engagement and expanding digital outreach.

Headstarter – Software Engineering Intern & Fellow, Queens, NY

Jul 2024 – Sept 2024

- Collaborated with a team of four to transition Codetionary from a Discord bot to a functional web application.
- Completed five AI projects of varying complexity in seven weeks, showcasing proficiency in machine learning.
- Deployed across multiple servers, reaching over 1,000 users, with a targeted revenue goal of \$1000.

LEADERSHIP & INVOLVEMENT

St. John's University Girls Who Code Student Chapter – President, Jamaica, NY

Aug 2024 – Present

- Conduct interviews and assist with onboarding new Executive Board members to support effective chapter leadership.
- Manage email communications with members, ensuring smooth operations, updates, and organizational coordination.
- Design promotional flyers and manage social media platforms to advertise events, increase visibility, and boost engagement.
- Support planning of tech workshops and initiatives that empower women in computer science through skill development.

St. John's University St. John's Hacks – Organizer, Jamaica, NY

Feb 2025 – Present

- Supported the planning, logistics, and sponsorship outreach for St. John's University's official hackathon, collaborating with 5+ university departments and student organizations to host 50+ participants and secure multiple industry partnerships.
- Led social media marketing efforts, designing promotional materials and managing campaigns across Instagram and Discord; contributed to record engagement, with promotional reels reaching over 5,000 views across various platforms.

St. John's University Cyber Team – Competitor, Jamaica, NY

Feb 2025 – Present

- Engage in hands-on cybersecurity training through platforms like TryHackMe to develop practical skills in networking, ethical hacking, vulnerability assessment, and system exploitation, while applying techniques in simulated environments.
- Participate in Capture The Flag (CTF) competitions to apply cybersecurity techniques in real-world scenarios, enhance problem-solving under pressure, and develop skills in areas such as cryptography, forensics, and web exploitation.

PROJECTS

Ecovision - Finalist at Hack Knight Hackathon Environmental Track

Feb 2025

- Collaborated with a team of four to develop a full-stack sustainability platform that leveraged AI for waste classification, eco-habit tracking, and intelligent receipt analysis to generate personalized insights and promote eco-conscious shopping.
- Built a full-stack web application using React, TypeScript, and Tailwind CSS for the front end, with Python, Flask, PostgreSQL, and Supabase on the backend, integrating the Gemini API to deliver real-time sustainability insights.
- Recognized by a judge as a top contender in the Environmental Track for near-winning innovation and technical execution.

Student Database - Software Engineer

Dec 2024

- Developed a fully normalized relational database schema (up to Third Normal Form) with well-defined primary and foreign key constraints to enforce data integrity, reduce redundancy, and enhance query performance across multiple entities.
- Wrote complex SQL queries for data retrieval, reporting, and aggregation, utilizing JOINS, subqueries, and aggregate functions to generate insightful results and support data-driven decision-making across multiple normalized tables.

Codetionary - 1st Place at SJU ACM x Headstarter Hackathon

Mar 2024

- Collaborated with a team of four to build a Discord bot that supports students by guiding them through computer science subjects, offering structured learning pathways, recommendations, and interactive resources to enhance their understanding.
- Built with Python, Discord API, and MythoMist 7B to deliver intelligent, contextual support for computer science students.
- Tested and refined the bot in a live Discord server to ensure smooth functionality, engagement, and intuitive learning.
- Won 1st place among 10+ teams for innovation, recognized for creating a solution that supported student learning.

TECHNICAL QUALIFICATIONS & ABILITIES

- **Operating Systems/Software:** macOS, Kali Linux, Windows, VMWare, VirtualBox
- **Programming Languages:** Java, Python, JavaScript, TypeScript, HTML, CSS, SCSS, SQL, React, Node.js
- **Development Tools:** Git, VS Code, PyCharm, Eclipse, MySQL Workbench
- **Other Tools:** ProPresenter, Microsoft 365, Zoom, Slack, Canva, Stripe, Clerk