

Franyel Diaz Rodriguez

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EDUCATION

New York University

Bachelors of arts in Computer Science, Minor in Web Programming and Applications

New York, NY

Sep. 2022 – May 2026

Relevant Coursework: Data Structures, Web Development and Programming, Software Engineering, Computer Systems Organization, Applied Internet Technology, Data Management and Analysis, Basic Algorithms, Discrete Mathematics, Linear Algebra

EXPERIENCE

SAIL (SAIL GTX)

sailgtx.com

Jun. 2026 – Aug. 2026

Remote

- Rebuilt SAIL's marketing site front end in React/Next.js, including a full homepage redesign and interactive product visualizations (canvas-based particle system, custom SVG charts, four-tab decision workspace) illustrating the platform's classification and audit workflows.
- Produced and edited original video and motion content for the site in DaVinci Resolve, including AI-generated and animated feature showcases.
- Built an automated intelligence pipeline that surfaces ICP-fit leads, tracks competitor activity, and flags regulatory events (e.g. tariff changes) relevant to SAIL's market.

Web Development Tutor & Grader

New York University

Sep. 2025 – May 2026

Onsite

- Tutored undergraduate students in HTML, CSS, JavaScript, and web design principles, providing one-on-one support and debugging assistance during office hours.
- Evaluated and graded student projects and assignments for Web Development, applying detailed rubrics and delivering actionable feedback.
- Assisted students with responsive layouts, accessibility practices, and deployment workflows.

Antonio Jefferson Studio Internship

Brooklyn, NY

May 2025 – Aug. 2025

Hybrid

- Developed a full-stack booking platform integrating Google Calendar for scheduling, Stripe for payments, and automated email confirmations.
- Engineered backend logic to prevent double bookings and streamline client appointment management.
- Designed responsive, visually polished front-end layouts with animations, ensuring usability across devices.
- Implemented and tested end-to-end booking workflows, demonstrating strength in both backend infrastructure and frontend design.

PROJECTS

Antonio Jefferson Studio Booking Platform – *Flask, MongoDB, Stripe, Google Calendar, Jinja, Docker* Built a responsive studio booking site with start/end time selection, add-ons, dynamic pricing, and a live availability view; synchronized bookings to Google Calendar with double-booking prevention and sent automated confirmation emails; deployed a test instance on Render. [Live Demo](#)

kitchIn – Shared Pantry Manager – *Flask, MongoDB, Jinja, Docker* Built and deployed a full-stack household grocery and pantry management app with Flask and MongoDB. Implemented user authentication, item requests, and household roles with dynamic Jinja templates. Containerized the app using Docker and configured CI/CD pipelines for automatic deployment. [GitHub Repository](#)

SAIL Marketing Website – *React, Next.js, DaVinci Resolve* Designed and built the front-end experience for SAIL's marketing site, including a full homepage redesign and interactive product visualizations — a canvas-based particle system, custom SVG charts, and a four-tab decision workspace — illustrating the platform's classification and audit workflows. [Live Site](#)

SKILLS

Programming Languages & Frameworks:

- JavaScript (Node.js, Express.js), Python (Flask): Built full-stack applications with REST APIs, middleware, and server-side rendering.
- React: Developed modular components, managed state with hooks, and integrated backend APIs.
- Java: Applied object-oriented design, class hierarchies, and core data structures.

Databases & Tools:

- MongoDB, MySQL, SQLite: Designed NoSQL and relational schemas, performed joins, and queried structured data.
- Git/GitHub: Version control, branching strategies, pull requests, and issue tracking.
- Chart.js, Bootstrap, Socket.io: Implemented data visualizations, responsive layouts, and real-time features.

Design & Development Practices:

- Responsive Web Design: Media queries, Flexbox, and CSS Grid for adaptive UIs.
- UI/UX (Figma): Wireframing, prototyping, and high-fidelity design workflows.
- RESTful API Design & Agile Collaboration: Structured scalable endpoints and contributed to iterative team development.

Languages: Fluent in English and Spanish.