

Oscar A. Romero Barbosa

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EXPERIENCE

Involve LLC

Front-End Developer Intern

March 2024 – April 2024

- Redesigned UI/UX for Laravel projects (including company landing page).
- Occasionally developed and maintained front-end components using Angular.
- Implemented design changes, converting mockups to HTML, CSS, and JavaScript.

Raytheon UAS University Innovation Project

January 2024 – March 2024

Software Engineer

- Designed and implemented Python scripts to enhance autopilot functionalities for drones and miniature autonomous vehicles.
- Contributed to the physical assembly and integration of drone and vehicle components to ensure optimal performance.

PROJECTS

Chef Claude: AI-Powered Recipe Generation Web Application ([Project Link](#))

- Developed a web application to generate AI-powered recipe suggestions based on at least four user-provided ingredients.
- Formatted generated recipes in Markdown for enhanced readability on the web.
- **Technologies:** React | TypeScript | Tailwind CSS | Claude AI API (Claude 3 Haiku) | Markdown

Borinquen Picks: Android Application for Local Attraction Recommendations ([Project Link](#))

- Developed an Android app recommending Puerto Rican attractions.
- Utilized Firebase Storage to display image-rich content and implemented categorized browsing for easy navigation.
- Offers detailed views for each attraction, including name, address, description, and image.
- **Technologies:** Kotlin | Android SDK | Jetpack Compose | Firebase Storage

RomeroBlog: Flask-Based Blog Application ([Project Link](#))

- Developed a web application enabling user registration, login, blog post management (CRUD operations), and commenting.
- **Technologies:** Python | HTML | Bootstrap 5 | SQLAlchemy | Flask | Flask-Login | Flask-CKEditor

SKILLS

Programming Languages: Java, Python, Typescript

Front-End: HTML, CSS, React, Astro, TailwindCSS

Back-End: Flask, Spring Boot

Mobile: Android SDK, Jetpack Compose

Databases: SQL Server, MySQL

Tools: Git, Github, Firebase

Languages: Spanish (native), English (B2)

EDUCATION / CERTIFICATIONS

Bachelor of Science in Computer Science

May 2024

Inter American University of Puerto Rico, Bayamon Campus

Google Cybersecurity Professional Certificate

August 2024

Coursera