Oscar A. Romero Barbosa

Toa Baja, PR | 787-696-7701 | oromero2812@outlook.com | Portfolio | Github | LinkedIn

EXPERIENCE

Involve LLC *-> Front-End Intern*   March 2024 – April 2024

- Redesigned UI/UX for Laravel-based web applications, improving usability and responsiveness.
- Optimized front-end performance and accessibility for a better user experience.
- Collaborated on code versioning and team workflows using Bitbucket.

Raytheon UAS University Innovation Project *-> Software Engineer*   *January 2024 – March 2024*

- Developed Python scripts for autopilot functionalities in drones and autonomous vehicles.
- Programmed and configured a Raspberry Pi using Ubuntu to interface with drone hardware for real-time control and telemetry.

PROJECTS

Chill's Restaurant: Collaborative Project (Project Link **)** *-> Backend Developer*
C# | ASP.NET MVC | EntityFramework | SQL Server | ASP Identity

- Developed role-based access control for Admin, Employee, Kitchen Staff, and Clients.
- Implemented secure authentication and authorization systems (Login, Sign Up).
- Designed and developed CRUD functionalities for menu and order management.
- Deployed the web application to Microsoft Azure, enabling public access and real-time testing.

Romero Tires and Rims: Desktop CRM (Project Link **)**
Visual Basic | SQL Server | Excel

- Developed customer management system.
- Implemented secure authentication and salesperson registration.
- Enabled data export to Excel for reporting and analysis.

Chef Claude: AI-Powered Recipe Generation Web Application (Project Link **)**
TypeScript | React | Tailwind CSS | Claude AI API

- Built a web app that generates AI-powered recipe suggestions based on user-provided ingredients.
- Integrated serverless API routes, validated data with Zod.
- Deployed a production-ready version using Vercel.

TimeTunes: Dynamic Playlist Generator from Billboard Charts (Project Link **)**
TypeScript | Nextjs | Tailwind CSS | WebScraping | Spotify API | Vercel

- Integrated Spotify OAuth2 for user login and playlist creation.
- Scraped Billboard Hot 100 chart website to fetch popular songs.
- Built serverless API routes for song processing and playlist generation.
- Deployed full-stack application using Vercel for public access.

SKILLS

Programming Languages: C#, Python, TypeScript, SQL
Front-End: HTML, CSS, React, TailwindCSS
Back-End: ASP.NET, Flask
Databases: SQL Server, MySQL
Tools: Git, Github, Github Copilot, Postman
Languages: Spanish (native), English (intermediate level)

EDUCATION / CERTIFICATIONS

Bachelor of Science in Computer Science   *August 2020 - May 2024*
Inter American University of Puerto Rico, Bayamon Campus

Google Cybersecurity Professional Certificate   *July 2024 - August 2024*
Coursera