

Jose Martin Ramos Jr.

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EDUCATION

University of Texas-Rio Grande Valley

Edinburg, TX

B.S. in Computer Science

Expected Dec 2026

- GPA: 4.00/4.00 — President's List
- Relevant Coursework: Algorithms and Data Structures, Object Oriented Programming, Software Engineering 1, Database Design and Implement

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: React, Node.js, Express.js, TailwindCSS, Streamlit, Vite

Tools & Platforms: Git, GitHub, Vercel, Supabase, PostgreSQL, VSCode

Concepts: REST APIs, Object-Oriented Programming, Agile Development

PROJECTS

Who Knows Me!? | *React, Typescript, Firebase, Socket.io, Vercel*

Oct 2025 - Nov 2025

- Architected a real-time multiplayer social party game in a 4-person agile team, synchronizing game state across web and mobile clients using Socket.io and Firebase.
- Integrated Firebase for secure user authentication and live data storage, supporting concurrent user interactions.
- Developed a mobile-first, responsive interface using Tailwind CSS to ensure performance on both desktop and mobile browsers.

VibeGen AI Playlist Generator | *Python, OpenAI API, Spotify API, Streamlit*

May 2025

- Engineered a backend to generate personalized playlists of up to 30 songs by interfacing with OpenAI and Spotify APIs, transforming user prompts into a structured JSON format to create a Spotify playlist directly in a user's account.
- Modularized API integration using Object-Oriented Programming, enabling a clean, scalable, and easily maintainable codebase.

Moneta | *Django, Google Gemini API, HTML, CSS*

Oct 2024

- Collaborated with a 3-person team in a 24-hour hackathon to build 'Moneta,' an AI-based financial planning chatbot using Django and the Google Gemini API.
- Designed a user-friendly conversational interface to help users with financial planning, delivering a functional MVP by leveraging agile task distribution.

WORK EXPERIENCE

Web Development Student Assistant

Nov 2025 – Present

UTRGV – University Marketing & Communications

Edinburg, TX (Hybrid)

- Engineered and maintained university web pages using Cascade CMS, applying HTML, CSS, and WCAG accessibility standards.
- Implement responsive layouts and optimize page performance for improved user experience.
- Collaborated with developers and designers to enhance site functionality and ensure code consistency.

Student Operations Assistant

Aug 2024 – Oct 2025

UTRGV – Student Union

Edinburg, TX

- Supported major university events by resolving real-time technical issues for A/V systems, ensuring seamless operations for audiences of up to hundreds of people.
- Collaborated with a team to prepare event spaces for over 100 university functions across three semesters, ensuring on-time and accurate setup for a variety of audiences.

LEADERSHIP & ACTIVITIES

President – Data Structures and Algorithms Architects (DSAA)

Spring 2025 – Present

University of Texas-Rio Grande Valley

Edinburg, TX

- Lead weekly coding sessions and interview prep for over 20 CS students, providing a structured and collaborative environment to help them with resumes, personal projects, and technical skills for problem-solving and interviews.
- Organize peer-to-peer events to reinforce algorithmic thinking and career readiness.