

Jose Martin Ramos Jr.

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EDUCATION

University of Texas-Rio Grande Valley

Edinburg, TX

B.S. in Computer Science, Minor in Business Analytics

Expected May 2027

- GPA: 4.00/4.00 — President's List (4 semesters)
- Relevant Coursework: Algorithms and Data Structures, Object Oriented Programming, Unix/Linux Programming, Discrete Math, Probability and Statistics

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, SQL, HTML, CSS

Frameworks & Tools: Node.js, Express.js, Django, TailwindCSS, PostgreSQL, Git/GitHub, VSCode

Concepts: REST APIs, JSON, Cloud Basics (GCP)

PROJECTS

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

2025

- Led backend development for a team of three, writing the core Python logic that uses the OpenAI API to generate song lists and the Spotify API to create playlists.
- Built the backend using Object-Oriented Programming (OOP), creating separate classes for each API client to keep the code clean, organized, and easy to maintain.
- Connected the backend services to the Streamlit user interface, ensuring user prompts were processed correctly and the final playlist link was displayed to the user.

BookNotes | *Node.js, Express.js, PostgreSQL, EJS*

2025

- Developed a full-stack book tracking app with PostgreSQL and REST API integration using PublicCoversAPI.
- Designed mobile-responsive UI and optimized accessibility with EJS templates.
- Applied agile development methods and source control for feature iterations.

College Compass | *Node.js, Express.js, PostgreSQL*

2025

- Built a dynamic blog platform with full CRUD functionality and PostgreSQL backend.
- Integrated RESTful APIs for real-time content updates and scalable backend architecture.
- Managed project lifecycle using Git-based version control and feature branching, ensuring organized development.

LEADERSHIP & ACTIVITIES

President – Data Structures and Algorithms Architects (DSAA)

Spring 2025 – Present

University of Texas-Rio Grande Valley

Edinburg, TX

- Led weekly coding sessions and interview prep for CS students; emphasized collaborative learning.
- Organized peer-to-peer events to reinforce algorithmic thinking and career readiness.

Participant – Frontera Hacks (24-Hour Hackathon)

Aug 2024

Frontera Devs

Edinburg, TX

- Built “Moneta,” an AI-based financial planning chatbot using Django and Google Gemini AI.
- Focused on API integration and conversational UX; delivered MVP with agile task distribution.

WORK EXPERIENCE

Student Operations Assistant

Aug 2024 – Present

UTRGV – Operations & AV Support

Edinburg, TX

- Maintained A/V systems for university events; resolved hardware/software issues in real-time.
- Worked cross-functionally with event teams, ensuring smooth tech deployment and user support.
- Improved issue resolution time by developing documentation and setup guides.