

Emmanuel Rodriguez

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CAREER OBJECTIVE: Computer Science student seeking a data analyst internship. Skilled in Python, SQL, and Excel with experience analyzing data and creating reports. Excited to contribute to business decisions while continuing to grow in the field of data and technology.

EDUCATION

The University of Texas at El Paso

El Paso, TX

Bachelor of Science in Computer Science

Anticipated Graduation: May 2026

Honors & Awards: College of Engineering Dean's list (Fall 2021, Spring 2022, Fall 2022, Fall 2024).

Relevant Courses: Computer Organization, Data Structures, Foundations of Programming, Algorithms & Analysis, Computer Networks.

RELEVANT EXPERIENCE

Engineering Innovation and Leadership

Spring 2024

- **Engineering Approach to Bias:** Designed inclusive bus seating solutions to improve accessibility for individuals using wheelchair.
- **Project management:** Team-based problems solving real-world engineering challenges.

JD Corporate Academy Internship

Summer 2025

- Reduced manual ticketing errors by 80% by building a Google Sheets App Script extension (JavaScript) to automate entry.
- Analyzed **sales** and **orders of product data** to generate actionable reports (**Excel**) that influenced planning and buying strategies, improving business decision making.
- Partnered with networks team to replace an uninterruptable power supply UPS and preventing **data loss** and **minimizing downtime**, troubleshooted the network links from Shoe Palace to the allocation system.
- Collaborated with the software engineering team to diagnose and resolve critical system errors affecting the Merchandising Department.

PROJECTS

Cybersecurity Course

Current

- Getting hands-on experience with threat detection, types of threats, security, cryptography, and incident response using tools like **Python**, **Linux**, and **SQL**.

Personal Portfolio

Current

- Developing a personal portfolio website using **HTML**, **CSS**, and **JavaScript** to showcase coding projects and technical skills.
- Implemented responsive design for mobile and desktop users.

Chess Game (Java - Swing)

May 2024

- Designed my version of chess board game with **GUI** using **object-oriented** programming concepts.
- Used **Java Swing** library for GUI.
- Learned and practice the use of object-oriented programming in a project.

Photoshop (Python)

April 2025

- Developed a program that can read any given image, and you can blurry the picture, change the color of a section of pixels, invert colors, invert the image or zoom in a specific segment of pixels.
- Stored the image as 2D Arrays of pixels and implemented different algorithms to accomplish the edition of pictures.

SKILLS

Languages and Tools: Java, Python, JavaScript, C, CSS, SQL, HTML, Linux, Git, Google App Script, Excel.

Languages: Native Spanish, English speaker.

ACTIVITIES

Coding Interview Club:

- Solved coding interview problems in teams presenting solutions at bi-weekly meetings.

Google Developer Club:

- Attended workshops, networked with professionals and collaborated on coding projects.