Yuliana Jasso

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EDUCATION

The University of Texas at Austin — GPA: 3.44 | Remote, TX
Bachelor of Science in Computer Science, Specializing in Artificial Intelligence — Aug 2024 – Present

The University of Texas Rio Grande Valley — GPA: 3.58 | Edinburg, TX
Bachelor of Science in Computer Science, Minor in Business Administration — Aug 2016 – May 2024

EXPERIENCE

Software Engineering Resident — Nov 2024 – Apr 2025
Headstarter — *Remote, TX*

- Developed and deployed **machine learning solutions** and **full-stack web applications** using **React, Next.js, and Gradio**, delivering new features on a weekly schedule to support rapid product iteration.
- Received **one-to-one mentorship** from industry advisors, sharpening technical skills and gaining insights into best practices for scalable software architecture.

Technology Operations Intern — Mar 2022 – May 2023
IDEA Public Schools — *Weslaco, TX*

- Provided comprehensive **technical support** for hardware, peripherals, and network connections.
- Maintained computers, classroom equipment, and printers across headquarters, **reducing downtime for staff and students**.
- Contributed to a major **mobility change** project, transitioning over 3,000 staff to a new cellular service and **saving the company millions of dollars per year**.

PROJECTS

Researchella | Live Link — Nov 2025

- Built an AI-powered research assistant using **Next.js**, **React**, and **OpenAI**, inspired by my Hack Research 2023 project and Google's NotebookLM, enabling users to upload materials and chat with their sources.
- Implemented a **RAG** pipeline with **LangChain** and **Pinecone** over embedded document chunks to ground responses in original papers and reduce hallucinations.
- Related work and more is showcased on my website.

ACHIEVEMENTS/ACTIVITIES

Hackathon Achievements

We R Cooked — Nov 2024

- Built a Don Pollo call-simulation **Next.js** web app with an **ElevenLabs conversational AI** widget and a Google T-Rex mini-game; **won Memenome Best Don Pollo Integration Hack** at the viral jia.seed brainrot hackathon ($1k grand prize, 1k+ participants).

Bin Fiesta — Oct 2024

- Created a **Google Gemini AI**–powered recycling assistant using **JavaScript** and **won 1st place in Sustainability** at Frontera Hacks (24-hour hackathon, 200+ participants).

Healthcare AI RAG Tutoring System — Nov 2023

- Built a **GPT-4 + RAG tutoring system** over medical textbooks, including a custom **Python** scraper; **won 1st place in AI Healthcare** at Hack Research 2023 (24-hour research-focused hackathon, 200+ participants).

Additional Experience

- UTRGV **Leadership** Roles – Served as **Software Engineering** Mentor, **CS II** PLTL Leader, TexPREP Mentor, and BOOSTCAMP Mentor, collectively supporting 25–30 students per cohort in **C++/DSA**, STEM projects, and engineering-focused challenges.

TECHNICAL SKILLS

Languages: C++, Python, SQL, JavaScript, HTML/CSS
Technologies: Git, VS Code, Cursor, Claude, GPT, GitHub Copilot, Grok, Lightning AI, Google Colab, Gradio, Jupyter Notebook, Jira, Xcode
Expertise: Web Development, Generative AI