Yuliana Denisse Jasso

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EDUCATION

The University of Texas at Austin   Expected: May 2026

M.S. Computer Science (AI)

Current Coursework: Machine Learning, Case Studies in Machine Learning

The University of Texas Rio Grande Valley

B.S. Computer Science, Minor in B.A.   May 2024 | *Major GPA: 3.56 | Cumulative GPA: 3.58*

Coursework: Algorithms and Data Structures, SWE, Deep Learning, AI Engineering, Digital Image Processing, Databases

TECHNICAL SKILLS

Languages: C++, Python, SQL, Ruby, C#, Swift, Java, JavaScript, HTML/CSS

Developer Tools: Jira, Git, Google Collab, Jupyter Notebook, VS Code, Visual Studio, XCode, Azure VM, Docker, Next.Js

Libraries: NumPy, Pytorch, Pandas, Beautiful Soup, Ruby on Rails, React.js

EXPERIENCE

Society of Hispanic Professional Engineers (SHPE)   Remote

Medtronic InternSHPE Interview Reviewer (Contractor)   Aug 2024 – Oct 2024
- Evaluated and scored one-way interviews, providing timely and constructive feedback in the selection process.
- Enhanced the hiring process by meeting deadlines, completing training, and offering follow-up insights.

The University of Texas Rio Grande Valley   Edinburg, TX

TexPREP Program Mentor   June 2023 – July 2023 | June 2024 – July 2024
- Mentored 15 students over 6 weeks, improving grades and successful completion of STEM projects.
- Reviewed and graded assignments, providing constructive feedback to foster continuous learning.

Peer-Led Team Learning Leader   Aug 2023 – Dec 2023
- Led two Team Learning sessions for an intermediate C++ course, effectively managing classroom dynamics and fostering an engaging environment, which improved student performance and satisfaction.
- Collaborated with the course instructor to develop and deliver comprehensive lessons on data structures, memory allocation, recursion, and time/space complexity, significantly enhancing students' understanding and application of these concepts.

IDEA Public Schools   Weslaco, TX

Technology Operations Intern   March 2022 – May 2023
- Provided comprehensive technical support for hardware, peripherals, and network connections, enhancing workforce productivity, while assisting the HQ technology operations project manager on various projects.
- Contributed to a major mobility change project, transitioning over 3,000 IDEA Public Schools staff to a new cellular service, resulting in over a billion dollars in annual savings for the company.

EXTRACURRICULAR

Frontera Devs: Computer Science Mentorship Program   Edinburg, TX

Software Engineering Mentor   Oct 2024 - Current
- Mentoring students in SWE by tailoring sessions to support their skill development and professional growth.

PROJECTS

Bin Fiesta | *Google Gemini AI, NextJS, JavaScript, Chakra UI*   Oct 2024
- As a Chatbot Developer and AI Engineer for Bin Fiesta, I designed and implemented a state-of-the-art chatbot powered by Google Gemini AI, enhancing user interaction with real-time, personalized recycling information. This project won 1st place in Sustainability at Frontera Hacks, a 24-hour hackathon hosted by Frontera Devs.
- Leveraged prompt engineering and API integrations to create an interactive and informative experience that aligns with the app's mission to promote sustainable behavior.
- Utilized Next.js, React.js, and Tailwind CSS to develop a user-friendly interface, improving accessibility to recycling information and encouraging sustainable habits.

AI Tutoring System | *GPT-4, Python, Jupyter Notebook*   Nov 2023
- Spearheaded a cross-functional team to achieve 1st place in AI Healthcare at Hack Research 2023, a highly competitive 24-hour hackathon with over 100 participants. I created an innovative tutoring app for AI healthcare that effectively used web scraping techniques to extract valuable data from medical textbooks.
- The app leveraged cutting-edge technologies such as GPT-4, embeddings, vector search, and retrieval-augmented generation, significantly enhancing the role of AI in healthcare. Through strategic prompt engineering, I enabled seamless and efficient information extraction, setting a new standard for AI-driven educational tools in the medical field.