

Yuliana Denisse Jasso

yulianadenissejasso@utexas.edu | linkedin.com/in/yuliana-jasso | github.com | Portfolio

EDUCATION

The University of Texas at Austin

Expected: May 2026

M.S. Computer Science (AI)

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, Programming in Unix/Linux, Computer Science I/II, OOP in C#, Software Engineering I, Automata, Deep Learning, AI Engineering, Digital Image Processing, Computer Networks, Databases

TECHNICAL SKILLS

Languages: C++ (2yrs), Python (1yr), SQL(0-1yrs), Ruby (0-1yrs), Swift (0-1yrs), C# (0-1yrs), HTML/CSS (0-1yrs)

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

Libraries: NumPy, Pytorch, Pandas, Beautiful Soup, Ruby on Rails

EXPERIENCE

The University of Texas Rio Grande Valley

Edinburg, TX

TexPREP Program Mentor

June 2023 – July 2023 / June 2024 – July 2024

- Provided academic support and mentorship to 15 students, resulting in improved grades and successful completion of STEM projects over a 6-week period.
- Reviewed, graded, and provided constructive feedback on student assignments, fostering an environment of continuous learning and improvement.

Peer-Led Team Learning Leader

Aug 2023 – Dec 2023

- Managed and led two Team Learning sessions for Computer Science 2, an intermediate C++ course, effectively managing classroom dynamics and fostering a positive and engaging learning environment, contributing to improved student performance and satisfaction.
- Developed and delivered comprehensive lessons and weekly plans in collaboration with the course instructor on a range of topics including common 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, network connections, and external software, resulting in enhanced workforce productivity.
- Assisted the HQ technology operations project manager with multiple projects, contributing to significant organizational improvements.
- Played a key role in a major mobility change project, transitioning over 3,000 IDEA Public Schools staff members across the U.S. to a different cellular service, resulting in annual savings of over a billion dollars for the company.

PROJECTS

AI Tutoring System | Python, GPT-4, Jupyter Notebook

- Led cross-functional team to 1st place in AI Healthcare at Hack Research 2023, a 24-hour hackathon with 100+ participants and 22 projects, showcasing leadership and project management skills.
- Applied web scraping to extract data from medical textbooks, demonstrating strong data extraction and manipulation abilities.
- Developed advanced AI solutions with GPT-4, embeddings, vector search, retrieval augmented generation, and prompt engineering, advancing AI in healthcare.

Political Bias Reduction Model | Python, Beautiful Soup, Pegasus transformer, Google Collab

- Successfully web scraped 300 political articles, evenly distributed across left, center, and right political views, showcasing proficiency in managing large-scale projects.
- Contributed to a more neutral perspective on political news by creating unbiased summaries using Pegasus transformer, successfully engineering a sophisticated machine learning model capable of processing articles with distinct political biases and leveraging a state-of-the-art model for abstractive text summarization.