ISAIAH TREVINO

Pharr, Texas 78577 | isaiah.30trevino@gmail.com | 956-402-7322 | LinkedIn

EDUCATION

The University of Texas Rio Grande Valley – Edinburg, Texas   Anticipated Graduation Date: May 2027
Bachelor of Science in Computer Science   Cumulative GPA: 3.89

SKILLS

- **Programming:** C++, Python, Ruby, style.css, Javascript, HTML
- **Technologies:** Microsoft Office, Git/Github, Jira, NodeJS, Ruby on Rails (Framework), ReactJS (Framework), PyTorch (Framework), RDKiT
- **Soft Skills:** Research skills, Critical Thinking, Problem-Solving, Communication skills, Teamwork, Leadership skills, Interpersonal skills, Strong work ethic, Planning/Organizing, Adaptability/Flexibility skills, Innovativeness, Decision-making (Global mindset), Bilingual (English/Spanish)
- **Organizations:** Society of Aerospace and Robotics Engineers (SARE), Society of Hispanic Professional Engineers (SHPE), Frontera Devs, Data Structures and Algorithms (DSAA), and Pharr Fetched Coders

PROJECTS

Society of Aerospace and Robotics Engineers (S.A.R.E) – Edinburg, Texas | September 2024 – Present

Software/Telemetry Team Member

- Developed telemetry software using Ruby on Rails for the Harv (High Aspect Ratio Vessel).
- Collaborated with engineers and researchers to optimize performance and data accuracy.
- Conducted code reviews and implemented best practices for maintainability.
- Developed front-end using React, improving user experience
- Contributed to S.A.R.E. initiatives, sharing software development insights.

Personal Portfolio Website -- December 2024

- Built and deployed a responsive personal portfolio showcasing technical projects and skills
- Developed using HTML5, CSS3, and JavaScript with a focus on responsive design
- Implemented custom styling and typography using Google Fonts API (Poppins)
- Deployed and maintained site using Netlify's continuous deployment pipeline

EXPERIENCE

UTRGV Machine Intelligence Research Lab (MI@UTRGV) – Edinburg, Texas | November 2024 – Present

Undergraduate Research Assistant

Drug Design: *Using AI to Generate and Design Small Molecules (Ongoing)*

- Developed machine learning models using PyTorch for small molecule drug design and optimization
- Implemented genetic algorithms for molecule generation
- Utilized RDKit for chemical structure manipulation and analysis in Python
- Contributing to ongoing research in computational drug design, focusing on small molecule generation

UTRGV Athletics Ticket Office – Edinburg, Texas | September 2023 – Present

UTRGV Ticket Operations Assistant

- Provided excellent and friendly customer service to customers at games and events by engaging with attendees and greeting them with a smile
- Guided guests to areas of interest such as bathrooms, seating, concession stands, box office, parking, exits, and event space

Axios Industrial Group Mosaic Uncle Sam – Convent, Louisiana | May 2024 – June 2024

Scaffold Helper

- Transported scaffold materials to the yard and then diligently organized and stacked in accordance with established procedures.
- Handed scaffold materials, such as bars and platforms, to scaffold builders and leadman when called upon
- Effectively communicating with peers to avoid any unnecessary hazards and risks
- Prior to the commencement of any scaffold task, I wrote Job Safety Analysis (JSA)