

Juan Carlos Velazquez

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Education

UNIVERSITY OF TEXAS RIO GRANDE VALLEY

Computer Science, 3.58/4.0 GPA

Edinburg, TX

Spring 2024

Relevant Coursework: Database Design & Implementation, Computer Networks, Algorithms & Data Structures,

Programming in UNIX/Linux Environment, Discrete Mathematics

Awards: 2021 College of Engineering & Computer Science Dean's list, Presidential Scholar

CODEPATH

Intermediate Cybersecurity, Passing

Remote

November 14, 2022

THE SCIENCE ACADEMY OF SOUTH TEXAS

Graduated Summa Cum Laude, GPA: 4.0/4.0

Mercedes, Texas

May 2021

Leadership Experience

FRONTERA DEVS

Community Lead

Edinburg, TX

March 2022 - Present

- Curated workshops to improve the confidence of our members in their interviews
- Created workshops for members to improve their technical knowledge
- Enhanced member's technical skills through leetcode to ace their coding interviews.
- Developed the Frontera Devs website and other website projects
- Managed relationships with sponsors and recruited sponsors for our first Hackathon with an expected attendance of 120.

SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS

Outreach Director

Edinburg, TX

August 2022 - Present

- Collaborated with officers to curate unique and informative experiences for members.
- Organized and led professional development workshops.
- Handled relationships with key sponsors.

Work Experience

University of Texas Rio Grande Valley

Machine Learning Lab Webmaster

Elsa, TX

August 2022 - Present

- Manage websites for the Machine Learning Lab and for the College of Engineering and Computer Science.
- Full-stack development, using SQL, PHP, Node.js, Django, and other frameworks depending on the site.
- Manage a GPU cluster used for GPU-bound heavy processes, such as training neural networks.
- Develop and plan new sites, while also updating websites to run more efficiently and with better scalability.

IDEA PUBLIC SCHOOLS

Afterschool Enrichment Specialist

Elsa, TX

August 2022 - Present

- Created lesson plans for a classroom of diverse students that would be engaging for all of my students.
- Managed a classroom of 17 elementary students from Kindergarten to Fifth Grade.
- Assisted the Afterschool Program Coordinator in his duties and created recommendations as problems arose in the program's first year.
- Stimulated STEAM experiences that will teach students about important concepts in STEAM in a fun learning environment

Skills & Interests

Technical: Python, C++, JavaScript, HTML and CSS, Vue.js, React, Express.js, Linux (bash)

Web Development: <https://fd-website-test.web.app/>, <https://jvelaz.com/>