ERIC ZAMORA

Computer Engineer | Software Engineer

(956) 325-0469 | eric.zamora.in@gmail.com | linkedin.com/in/eric-zamora-tech | eric-zamora-tech.netlify.app/

EDUCATION

University of Texas Rio Grande Valley   **May 2024**
B.S. in Computer Engineering | GPA: 3.33   Edinburg, TX
- **Courses**: Software Engineering, Data Structures, Computer Networks, Database Design, Systems Programming
- **Honors**: President's List, Dean's List

PROFESSIONAL EXPERIENCE

IT Support Specialist | UTRGV College of Sciences Dean's Office   **Jan. 2023 - July 2024**
- Lead the redevelopment of the college's web infrastructure, leveraging advanced web development methodologies to enhance accessibility 15% above the industry standard and increase traffic by 12%.
- Architected and implemented a robust database system from the ground up, resulting in a 28% reduction in data processing time and an increase in accuracy of information retrieval.
- Generated promotional assets utilizing digital design tools, in close coordination with the marketing department, leading to a significant 37% surge in conversion rates for the produced materials.

Student Web Developer | UTRGV Center For Excellence in STEM Education   **June 2021 - Sep. 2021**
- Engineered responsive and dynamic web applications for various university departments and organizations, leading to a 6% increase in user engagement metrics.
- Achieved a client satisfaction rate of over 95% on deployments by maintaining close collaboration and understanding of software requirements, ensuring timely delivery and superior quality.
- Applied accessibility standards and performance optimization techniques to web projects, receiving commendation from the center director for enhancing website accessibility and user experience.

PROJECTS/OTHER

SmartFlow   **Senior Design Capstone Project**
- Developed an IoT smart home ventilation system using embedded systems, enabling real-time control and automation of air conditioning vents to achieve a 10% reduction in HVAC energy consumption.
- Designed and implemented a custom application and back-end database for data storage and user interaction, showcasing proficiency in full-stack development and data management.

GreenLeaf Retail   **Web-Based Inventory Management System**
- Developed a web-based inventory management system for GreenLeaf Retail using AngularJS, C#, .NET, and Microsoft SQL Server, enhancing inventory tracking and management efficiency.
- Implemented features for product, sales, and supplier management, along with user authentication and role-based authorization, ensuring secure and automated handling of inventory data.

Tennis Club Website   **Freelance Web Development**
- Successfully designed and launched a dynamic website for Club Tennis at the University of Texas Rio Grande Valley (UTRGV), while implementing responsive design techniques and interactive features.

Wells Fargo Software Engineering Job Simulation   **Forage**
- Analyzed requirements and identified data elements to develop a financial portfolio management system, designing a comprehensive ERD to represent the data architecture.
- Implemented the ERD using IntelliJ and published the project on GitHub, ensuring effective version control and facilitating collaboration.

SKILLS

Software: Java, Python, C#, C++, HTML/CSS/JS   **Frameworks**: Node.js, React, .NET, Docker
Tools/Methodologies: Jira, Figma, Scrum, Agile