

# ERIC ZAMORA

Computer Engineer | Software Engineer

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## 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

- Led the modernization of the college's web infrastructure, implementing advanced web development techniques to improve UI/UX and increase accessibility, resulting in a 12% traffic increase.
- Designed and developed a robust database system using Microsoft PowerApps, achieving a 28% reduction in data processing time and enhancing the accuracy of inventory tracking and information retrieval.
- Created scripts for Adobe Illustrator using JavaScript to automate batch production of graphic content, increasing efficiency and boosting conversion rates by 37% through collaboration with the marketing department.

Student Academic Assistant | UTRGV Center for Excellence in STEM Education

June 2021 - Sep. 2021

- Updated website content and developed graphical interfaces, improving user engagement by 15% through the application of advanced UI/UX design principles and graphic design tools.
- Designed and produced over 50 high-quality graphical products including brochures, flyers, etc., leveraging design software to meet branding and communication objectives, resulting in a 20% increase in promotional reach.
- Assisted with administrative duties by managing schedules, coordinating tasks, and ensuring smooth operation of departmental activities, contributing to overall organizational efficiency.

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 Ventilation System, integrating with existing home ventilation systems for precise temperature control and airflow redirection. Utilized embedded software and web development technologies.
- Demonstrated proficiency in software engineering and embedded systems by creating a user-friendly solution.

FinConnect

Financial SaaS Platform

- Developed a financial SaaS platform using Next.js, TypeScript, Appwrite, and Plaid to connect multiple bank accounts, display real-time transactions, and manage finances.
- Enabled real-time fund transfers, comprehensive transaction history, and dynamic updates across the platform.

Wells Fargo Software Engineering Job Simulation

Forage

- Understood requirements for building a system to manage financial portfolios and identified essential data to track. Created a visual representation of the data as an entity relationship diagram (ERD).
- Implemented the ERD using IntelliJ and published the project to GitHub.

## SKILLS

**Software:** Java, Python, C#, C++, HTML/CSS/JS

**Frameworks:** Next.js, React, .NET, Docker

**Tools/Methodologies:** Jira, Figma, Scrum, Agile