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Education

University of Texas Rio Grande Valley

August 2022 – May 2024

Bachelor of Science in Computer Science, **4.0 GPA**, Summa Cum Laude

Edinburg, Texas

Relevant Coursework

- Computer Networks
- Database Management
- Data Structures
- Game Development
- Software Engineering
- Systems Programming
- Theory of Computation
- Web Development

Technical Skills

Languages: C, C++, HTML/CSS, JavaScript, Python, R, Ruby, Rust, SQL, TypeScript

Developer Tools: Docker, Git, GitHub, Jira, VS Code

Frameworks: Angular, Bootstrap, Express.js, Flutter, Next.js, React.js, Ruby on Rails, Tailwind CSS

Projects

Junk Yard Inventory Manager | *Docker, Express.js, JavaScript, MySQL, React.js, TypeScript*

May 2024

- Developed a website using React.js and Express.js to help junk yard businesses manage their vehicle inventory.
- Implemented a robust backend with Express.js and MySQL to handle vehicle data, including CRUD operations.
- Created a responsive and intuitive frontend with React.js and TypeScript, improving user experience and interaction.
- Utilized Docker Compose to streamline deployment by chaining the client and server sides into a unified environment.

Simplified Tax Filing App | *Dart, Flutter, Supabase*

March 2024

- Developed a user-friendly mobile application using Flutter to simplify the tax filing process.
- Designed and implemented a clean and intuitive UI/UX, enhancing accessibility and ease of use.
- Integrated RESTful API for user authentication and receipt scanning functionality, ensuring proper functionality.

Educational Blog Platform | *Next.js, TypeScript*

February 2024

- Established an educational blog with dynamic server-side rendering using Next.js, optimizing SEO performance.
- Implemented TypeScript for enhanced type safety and reliability, ensuring robust code structure.
- Leveraged Tailwind CSS for modern, responsive design, resulting in an engaging user interface.

Professor Rating Lookup Extension | *HTML/CSS, JavaScript*

December 2023

- Developed a Chrome extension for easy access to professor ratings during registration, enhancing decision-making.
- Integrated Chrome's API to embed the rating system into the school's registration page, improving user experience.
- Utilized Rate My Professors API for efficient retrieval and integration of professor data, providing scalability.

Web Games Portal | *JavaScript, Next.js, Prisma, Supabase*

November 2022

- Built a dynamic game portal website with Next.js, using server-side rendering for fast and interactive user actions.
- Implemented advanced features such as game search and user engagement metrics, enhancing user experience.
- Employed Search Engine Optimization techniques to attract and retain an average of 500 daily users.
- Achieved great webpage performance with a PageSpeed Insights score of 90+, ensuring optimal user experience.

Experience

Volunteer Income Tax Assistance

April 2020 – April 2022

Student Volunteer

Pharr, Texas

- Analyzed and reported on 100 income tax returns by reviewing financial documents and applying tax regulations.
- Communicated with over 50 clients and staff members, applying tailored approaches for each client's tax return.
- Contributed over 200 hours of volunteer work, recognized as a top volunteer by the number of returns completed.

Other Skills & Interests

Languages: English (Fluent), Spanish (Fluent)

Soft Skills: Adapative, Decision-Making, Problem-Solving, Self-Motivation

Interests: Cybersecurity, Embedded Systems, Web Development