

Davin Davila

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EDUCATION

University of Texas - Rio Grande Valley

Bachelor of Science in Computer Science

Edinburg, TX

Dec. 2023

EXPERIENCE

Automotive Engineering Intern

Feb. 2024 – April 2024

Revature

Remote

- Assisted in designing and testing ECUs, integrating software and hardware to meet industry standards.
- Implemented CAN systems, improving vehicle communication efficiency through traffic analysis and diagnostics.
- Utilized Vector CANoe to develop automation scripts for vehicle simulation, enhancing accuracy of diagnostics.

Software Engineering Intern

Jan. 2023 – June 2023

Midnight Kravings

McAllen, TX

- Implemented front-end features using React, HTML, and CSS for an e-commerce product including fetching product data and improving UI/UX design for improved user satisfaction.
- Optimized server speed by 20% by implementing server caching in back-end data interaction between users and fetching data using Node.js, Express.js, and MongoDB.

Web Master

Aug. 2023 – Dec. 2023

Association for Computing Machinery

Edinburg, TX

- Organized and facilitated multiple social events and conferences, enhancing ACM community engagement by 30%.
- Contributed to the redesign of the ACM web page using HTML, CSS, improving user experience and accessibility.
- Improved user interactivity using a full-stack tech stack including JavaScript, Node.js/Express.js, and SQLite.

Google Developer Technical Specialist

Aug 2023 – Dec. 2023

Google Developer Student Club

Edinburg, TX

- Organized workshops highlighting Google Cloud, Firebase, and TensorFlow in software engineering applications.
- Developed club's website using Google Sites and Firebase, enhancing user experience and data management.
- Designed comprehensive tutorials on utilizing Google's development tools suite, including examples with TensorFlow for AI applications, aimed at enhancing the technical skills of club members.

PROJECTS

Vapor Shop | *Angular, .NET Core, TypeScript, C#, PostgreSQL, Redis, Docker, Stripe, DigitalOcean*

- Lead the development of an online e-commerce platform for online shopping, with Stripe for payment processing.
- Implemented real-time basket updates and user interface features such as orders and checkout systems.
- Used a Docker container to connect PostgreSQL for relational data manipulation and Redis for data caching.
- Deployed the project online through a Linux/Apache2 server hosted on DigitalOcean.

Vaquero Scheduler | *TypeScript, Next.js, React.js, Tailwind, PostgreSQL, Prisma, Vercel*

- Led the development of a web application designed to streamline the college schedule creation process for students.
- Integrated Next.js and React to build a responsive and interactive user interface, enhancing user engagement.
- Utilized Tailwind CSS for custom, efficient styling, ensuring a simple and visually appealing designs in all pages.
- Developed a filtering algorithm using relational database interactions using PostgreSQL and Prisma.

helloWorld | *Vite, Vue, TypeScript, Django, Python, SQLite*

- Designed a dynamic social media website using Vite and Django, emphasizing user engagement and clean design.
- Featured unique profiles, real-time chat, user/post interactions, friend system, user/post searching by keyword.
- Implemented real-time notifications, and secure, efficient backend processes for a seamless user experience.
- Designed several algorithms for real-time trend tracking and friend suggestions based on mutual friends.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, Python, C#, Java, C, C++, Rust, Ruby

Front-end: Next.js, React, Angular, Vite, Vue, HTML/CSS, Bootstrap, Tailwind, SCSS

Back-end: Node.js, Express.js, Django, .NET Core, Ruby On Rails, SQLite, PostgreSQL

Developer Tools: Git, Docker, Linux, Jira, Netlify, Render, Firebase, MongoDB, Prisma, Vercel, DigitalOcean