

# Davin Davila

956-655-1606 | [davin.davila01@gmail.com](mailto:davin.davila01@gmail.com) | [linkedin.com/in/davin-davila/](https://linkedin.com/in/davin-davila/) | [github.com/dvvin](https://github.com/dvvin)

## EDUCATION

### University of Texas - Rio Grande Valley

*Bachelor of Science in Computer Science*

Edinburg, TX

*Dec. 2023*

## EXPERIENCE

### Automotive Engineer

Feb. 2024 – May 2024

*Revature*

*Remote*

- Assisted in designing and testing ECUs for automotive applications, integrating complex software and hardware systems to meet safety standards and AUTOSAR guidelines.
- Implemented and optimized CAN systems, improving vehicle communication efficiency through detailed traffic analysis and advanced diagnostics techniques.
- Utilized Vector CANoe to develop automation scripts for vehicle simulation, enhancing the accuracy of diagnostics and reducing testing time.

### Software Engineer Intern

April 2023 – June 2023

*IRL - Do More Together*

*Remote*

- Developed and integrated REST APIs using Node.js and Express.js to efficiently fetch and display real-time event data and user-generated content, improving content load times.
- Optimized server performance by implementing Redis caching for frequently accessed data, reducing API response times during peak usage periods and supporting an increase in concurrent users.
- Collaborated with UX designers to implement an intuitive event creation and management interface, resulting in an increase in user-organized events and a boost in overall platform activity.

### Google Developer Technical Specialist

Aug 2023 – Dec. 2023

*Google Developer Student Club*

*Edinburg, TX*

- Organized and led hands-on workshops highlighting Google Cloud Platform, Firebase, and TensorFlow, resulting in an increase in club members' proficiency with Google technologies.
- Designed and delivered a series of comprehensive tutorials on utilizing Google's development tools suite, including practical examples with TensorFlow for AI applications.

## 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