

Davin Davila

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EDUCATION

University of Texas - Rio Grande Valley

Bachelor of Science in Computer Science

Edinburg, TX

Dec. 2023

EXPERIENCE

Research Assistant

Xtreme Algorithms

March 2023 – Dec. 2023

Edinburg, TX

- Helped develop algorithms for image generation, enhancing the realism and efficiency of the process by 20%.
- Collaborated to optimize video game physics algorithms, resulting in a 15% improvement in simulation accuracy.

Web Master

Association for Computing Machinery

Aug. 2023 – Dec. 2023

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, improving user experience and accessibility.
- Managed front-end development, ensuring the website's functionality aligned with organizational standards.

Assistant Software Engineer

Google Developer Student Club

Aug 2023 – Dec. 2023

Edinburg, TX

- Co-organized events and workshops focused on utilizing Google tools in Computer Science/Engineering.
- Helped develop web pages for school organizations using Google technologies to enhance user experience.
- Contributed to the creation of educational tutorials on Google's suite of development tools for club members.

Software Engineering Intern

Midnight Kravings

Jan. 2023 – June 2023

McAllen, TX

- Helped maintain the company's e-commerce platform, leading to a 10% increase in user retention.
- Implemented new features on the front-end, improving customer interaction and satisfaction scores by 15%.
- Optimized back-end processes, resulting in a 20% improvement in overall website performance.
- Collaborated closely with the marketing team to integrate user analytics tools, providing valuable insights for targeted marketing strategies.

PROJECTS

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.

E-Sports Manager | *JavaScript, React.js, Node.js, Express.js, MongoDB*

- Helped lead the development of an online event management platform for e-sports events, using the MERN stack.
- Implemented real-time event updates and user management features such as brackets and user/event pages.
- Designed a secure authentication system using JWT and Bcrypt.

TECHNICAL SKILLS

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

Frameworks: Next.js, React, Node.js, Express.js, Django, Bootstrap, Tailwind, Ruby On Rails

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