Giovanni Medrano

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EDUCATION

University of Texas at Austin   Austin, TX
Major: Bachelor of Science in Mathematics, Minor: Computer Science   *2017 – 2021*
Relevant Coursework Software Design, Software Engineering, Web Programming, Mathematical Modeling

EXPERIENCE

Electrician's Apprentice   May 2018 - August 2018
Lone Star Instrumentation   *Odessa, TX*
- Assisted in the design and installment of electrical components, systems, and wiring.
- Installed new electrical service, installed pump panel, PLC panels, transformers, and loaded center on panel racks.
- Developed expertise in communication systems cabling, circuitry, and wiring.

Electrician's Apprentice   May 2016 - August 2016
Ampco Industrial LLC   *Odessa, TX*
- Assisted the electrician in the various aspects of electrical maintenance, repair, and construction.
- Laid out the wiring that is attached to valves, pressure meters, gas tanks, light posts, oil tanks, and water tanks.
- Installed conduit and cable tray. Pull cable and assist with terminations.

PROJECTS

Job It | *Next, Javascript, Tailwind, RestAPI, Git*   Jan 2023
- Web application that enables users to search for job openings, view estimated salary ranges for positions, and locate available jobs based on their current location
- Implemented a RestAPI that collects job listings from various sources across the internet and provides users with up-to-date and accurate job information.
- Incorporated a dynamic search feature that allows users to filter jobs based on location, pay ranges, and type of jobs.

More Rent | *Vite, MongoDB, Express, Javascript, Tailwind, Git*   Feb 2023
- Developed a full-stack web application using Vite as the frontend and Express serving a REST API as the backend, allowing users to easily search, book, and manage car rentals from various providers.
- Integrated a MongoDB database to store user information and car rental data, providing a secure and reliable platform for users to manage their bookings and rental history.
- Implemented user authentication and authorization using JSON Web Tokens (JWT) to ensure secure access to the application and user data.

Filmpire | *React, HTML, MUI, JavaScript, TMDB API, Git*   Nov 2022
- Designed and developed an online movie database using React, HTML, MUI, and JavaScript, providing users with a comprehensive source of movie information including cast, reviews, and movie recommendations.
- Incorporated the TMDB API to automatically update movie information and ensure up-to-date content for users.
- Implemented functionality to allow users to easily favorite movies and add them to their watch-list for future viewing

ShareMe | *React, Sanity, HTML, CSS, JavaScript, Git*   Nov 2022
- Built a dynamic and fully interactive social media application that enables users to share images and animated GIFs with others.
- Utilized React as the front-end and Sanity as the back-end to create a seamless user experience and handle data interaction between users, including adding pictures, deleting, saving, and commenting on posts
- Integrated Google OAuth2 to gather user data and ensure secure authentication for users.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, SQL, HTML/CSS, R, Assembly
Frameworks/Libraries: React, Node.js, Express, Tailwind, Material-UI, Pandas, NumPy, Matplotlib
Developer Tools: Git, Github, VS Code, Visual Studio, PyCharm
Databases: MongoDB, MySQL
Agile Methodologies : Jira, Asada, Height