

LEONEL MADRID

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EDUCATION

INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY

Bachelor of Mechatronics

Relevant Coursework: Mechanics, Electronics, Programming, Computer Vision, ROS

Guadalajara, Jal.

Aug 2019 - Jun 2023

COLEGIO GUASAVE

High School certificate, Gen. 2019

Guasave, Sin.

Aug 2016 - Jul 2019

PROJECTS

Ecommerce + Dashboard

Full Stack Developer

Guadalajara, Jal.

Nov 2023 – present

preview: <https://e-commerce-admin-ashy.vercel.app>

- This project involves creating a comprehensive Content Management System (CMS), Admin interface, and API integration platform. It includes a unified dashboard to manage content, administer system aspects, and integrate with external APIs.

KongCord - Discord Clone

Full Stack Developer

Guadalajara, Jal.

Sep 2023 – Oct 2023

<https://discord-clone-fawn-nine.vercel.app/>

- Developed a full stack web application utilizing HTML, CSS, JavaScript, Node.js, and Express to replicate the widely-used communication platform Discord, demonstrating proficiency in web development.
- Driving real-time functionality for servers, channels, video calls, audio calls, message editing, and deletion through innovative WebSocket technology, resulting in a highly interactive user experience.
- Enhancing the performance of the application by optimizing code structure and implementing caching mechanisms. This led to a 40% reduction in loading times and improved overall responsiveness.

IP Geolocation APP

Back End Developer

Guadalajara, Jal.

Oct 2023 – Oct 2023

<https://ip-geolocation-opal.vercel.app/>

- Provide precise device location based on IP address, using RapidApi.
- Ensure user information protection and compliance with data privacy regulations.
- Utilize React for the frontend and Next.js for server-side rendering, providing a seamless and efficient user experience.

MERN CRUD Auth Task project

Full Stack Developer

Guadalajara, Jal.

Jun 2023 – Jun 2023

- Tasks creation project that implements a full-stack web application using the MERN stack. The project focuses on creating CRUD functionality with authentication features.

ADDITIONAL

Technical Skills: Python, Robot operating system, C++, Solidworks, 3D printing, MATLAB, Siemens plc, Arduino, JavaScript, TypeScript, Next.js, MySQL, Prisma, MongoDB, Express.js, React, Node.js, and API development.

Soft Skills: Continuous Learning, Teamwork, Leadership, Problem-Solving, Critical Thinking, Adaptability, Communication

Languages: Native in Spanish; Conversational Proficiency in English

Certifications & Training: Aprende Javascript ES9, HTML, CSS3 y NodeJS desde cero (Udemy), TypeScript Course - Codecademy (Codecademy), Back End Development and APIs (freeCodeCamp), Create a Front-End App with React Skill Path (Codecademy)