

Adolfo Hernández Signoret

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EDUCATION

Instituto Tecnológico y de Estudios Superiores de Monterrey

B.S. in Computer Science and Technology

Guadalajara, Jal

Aug. 2022 – May 2026

WORK EXPERIENCE

ERP for construction management payed | Link

August 2023 – January 2024

JMO arquitectos

Guadalajara, Jal, México

- Developed a MongoDB database for managing tasks, products and costs
- Developed a progressive web App using nextjs, and payloadcms
- Implemented a salt and pepper authentication method
- Implemented a role based app visualization
- Implemented an S3 digitalOcean bucket for heavy media uploads
- Implemented high detailed css for high quality image visualization

Landing page payed | Link

January 2024 – February 2024

jmoarquitectos.com

Guadalajara, Jal, México

- Developed a Nextjs static web page with minimalistic design for an architects office.
- Implemented a blog section with payloadcms editor following the best SEO practices.

PROJECTS

BoxyFy | Link | Python, Flask, Supabase, Arduino

November 2023 – December 2023

- Developed a vending machine remote tracking system on Arduino displayed on a Python Flask dashboard

Aurora.ai | Python, Streamlit, Supabase, OpenAi API

Hackathon Monterrey - September 2023 – Present

- Developed a full-stack web application for the Aurora chatbot using Streamlit library of Python as a waiting room for people at risk of suicide during the Hackathon Monterrey 2023 with 3 teammates
- Implemented a sort system for patients based on their risk of suicide
- Created a suicide risk calculator automated by OpenAi GPT-4 model based on pre-specified prompts
- Developed a Supabase Postgres Database with role based authorization and Supabase Authentication

Count divider | Next.js, Supabase, Vercel

March 2023 – Present

- Developing a PWA in Next.js using Supabase realtime to help customers at a restaurant divide the counts by selecting their dishes from a preloaded menu
- Developed a Supabase Postgres Database

TECHNICAL SKILLS

Languages: Python, C++, SQL (Postgres, PL/SQL), NoSQL (mongoDB), JavaScript, TypeScript, HTML/CSS, R, MATLAB

Frameworks: React, Node.js, Flask, Next.js, Oracle APEX, payloadCMS

Developer Tools: Git, Github, Vercel, VS Code, Replit, Supabase, Stripe API, OpenAi API, DigitalOcean

Libraries: pandas, NumPy, Matplotlib, Streamlit