

MIGUEL LOPEZ

FULL STACK DEVELOPER

CONTACT INFORMATION

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PERSONAL PROFILE

Hands-on, dynamic, data-loving, and curious Engineer with a deep interest in Web Development, Data Engineering and Data Science. Always excited to learn new technologies. I thrive on working with a team as well as independently. I enjoy self learning and undertaking new challenges.

SKILLS & COMPETENCIES

Object Oriented Programming skills
Stack: Python, SQL, JavaScript, CSS, HTML, Express, Flask, React, React-Router, SQLAlchemy, Jupiter Notebooks, Pandas, Postgresql, Docker-Compose, Insomnia, Postman, TablePlus, Git, Github and Visual Studio
Familiarity with Azure and Google Cloud

Teamwork-driven	Emotional Intelligence
Entrepreneurial	Strong Work Ethic
Critical Thinking	Project Leader

CERTIFICATIONS

NFT Course - Platzi (on going)

Databases and SQL - IBM/Coursera

Data Structures - U. of Michigan/Coursera

Azure Data Factory - Coursera Project

Git and GitHub - Google/Coursera

LANGUAGES

English - Professional Level

Spanish - Native Speaker

EXPERIENCE

Hack for LA

VOLUNTEER

2021- PRESENT

- Maintenance and continues improvement of their Webpage
- Use of GitHub Dashboard, Github API and Github actions
- Weekly meeting for the solve of issues and PR merges

Personal Webpage

PERSONAL PROJECT

2021- PRESENT

- Use of React Framework
- Fully responsive webapp in desktop and mobile
- Creation of all styling in CSS

Data Automation

PERSONAL PROJECT

2020

- Fetch more than 500k rows of public exam scores from a University Webpage
- Applied data processing with Pandas
- Insights and basic statistics using Pandas and SQL queries

API Design

PERSONAL PROJECT

2020

- Track of products, orders and ingredients by just giving lot code and product name
- Design of APIs integrating JWT using Flask
- Storage of data into a Postgres Database

Game board for the visually impaired

UNIVERSITY PROJECT

2019

- 29% time reduction in the inspection and packing area of the game board production
- Use of continuous improvement and lean tools: 5s, SMED, Ishikawa, PDCA, PARETO, JIT

EDUCATION

MONTERREY INSTITUTE OF TECHNOLOGY AND HIGHER EDUCATION. PUEBLA, MEXICO
B.SC INDUSTRIAL ENGINEERING- CLASS 2019

- Member of the Sustainable Student Group: Creation of the 1st sustainable fair.
- Certified in Innovative Entrepreneurship Modality: Creation of the StartUp Aquaseed (technology that improves the growing of plants)

UNIVERSITY OF THE NORTH. BARRANQUILLA, COLOMBIA
INTERNATIONAL EXCHANGE 2018

- Strategic Management Project: Analysis of the business strategy used by the company PETROQUIMICOS S. en C.
- Project leader of the program *Sustainable Party*: Logistics coordinator of the collection of the waste generated in social gatherings

TROPICAL AGRONOMIC RESEARCH AND TEACHING CENTER (CATIE). SAN JOSÉ, COSTA RICA 2017

- A week of full immersion in good practices of sustainable crops and waste management