

Gabriel López

TELEMATICS ENGINEERING · INSTITUTO POLITÉCNICO NACIONAL

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About Me

Programming C · Python · Bash

Analytics Pandas · NumPy · SQL · R · MatLab

Web Django · HTML/CSS/JavaScript

Version Control Git · GitHub

Education

Instituto Politécnico Nacional

Mexico, CDMX

BACHELOR'S DEGREE IN TELEMATICS ENGINEERING

Aug. 2019 - Jun. 2024

- Member at Google DSC IPN - UPIITA
- Member at Open Source - UPIITA
- Member at Algorithms Club - UPIITA

Experience

Freelance Web Developer

Jan. 2021 - Jul. 2021

- Worked like a full stack developer creating a system of point of sale. This is a minimum viable product for a web system that can control the local store of a shop.
- It allows us to sell products, sell by quantity and by price, also it allows us to edit products, providers, sales, expenses, and generate reports of the warehouse and the sales of the store.
- It allows to have different types of users and have user authentication.

Competitions and Personal Projects

Hackathon AMI

BACKEND DEVELOPER

November 2021

- Chrome browser extension used to generate corrections when detecting negative phrases.
- The azure Text Analytics service was implemented.
- I was in charge of the team to develop the hackathon solution using JavaScript for the extension design.

Hackathon BBVA

BACKEND DEVELOPER

October 2021

- Web application that helps clients consider investing as a means to grow their savings in the medium-long term in order to improve their financial health.
- Azure cloud solutions were implemented.
- In charge of a group of two persons in the backend operations related to the database (PostgreSQL).
- Developed in Python for the backend and JavaScript (with CSS) for the frontend.

F1 race winners prediction model

DATA SCIENTIST

July 2021

- A model was developed to predict the possible 5 winners considering the driver, the team, and the manufacturer.
- Six different algorithms were compared to determine the best one to produce an accurate model.

Password Manager

SOFTWARE DEVELOPER

February 2021

- The app store and manage the passwords that a user has for various online accounts, the app also stores the passwords in an encrypted format and provide secure access to all the password information with the help of a master password.
- Built with Python and PostgreSQL.

Course and Apprenticeships

- Microsoft Azure Fundamentals - AZ-900 by Microsoft
- Scrum Fundamentals Certified by SCRUMstudy
- Oracle Cloud Infrastructure Foundations Associate by Oracle (in course)
- Machine Learning & Data Science A-Z by Udemy (in course)
- CS50's Web Programming with Python and JavaScript by EDX (in course)