

# Mario David Hernández Pantoja

## DATA ENGINEER

### CONTACT INFO

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#### Location

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#### LinkedIn

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MDavidHernandezP

#### Credly

Mario David Hernández Pantoja

### LANGUAGES

#### Spanish

Native

#### English

Advanced Level C1

### SKILLS

Data Analysis

Data Visualization

Database Management

Data Modeling

ETL Pipelines

Data Preprocessing

Web Scraping

Server Architecture

Big Data Management

Database Security

Data Mining

Deep Learning

Machine Learning

Algorithm Analysis

Python

SQL (PostgreSQL, more...)

NoSQL (MongoDB)

AWS

Google Cloud

Docker

Linux

Spark (Databricks)

Airflow

PowerBI

R Language

### PROFESSIONAL SUMMARY

Currently a Data Engineer student willing to gain more professional experience in the industry, but already working various skills in the field, including **Data Analysis**, **Data Science**, **Cloud Computing**, **ETL Pipelines** and **Machine Learning**. Also, interested about **Cybersecurity**.

### INTERNSHIP EXPERIENCE

#### Data Scientist & Research Assistant

Cinvestav Mérida (January - April 2024)

Implementing **Data science** techniques to analyze unstructured data, developing **Machine Learning** and **Deep Learning** models with **Transfer Learning**. Applying dimensionality reduction and (**PCA**) to optimize computational costs and retain 80% and 95% of the variance. Conducting a comprehensive **Data analysis** and creating insightful **visualizations** to support the findings; all this by using **Python**.

### PROJECTS

#### Online Store Web Scraper API Project

Developing a robust **Web Scraping API** using **Python** and **FastAPI** to automate data extraction from an online store. Leveraged **MongoDB** as a **NoSQL** database for efficient data storage and retrieval. Utilized **Power BI** and **R** for **data cleaning**, **visualization**, and **analysis**, gaining valuable insights into market trends and consumer behavior.

#### Deployed Job Web App Project

Developing a **Web App** to automate the job searching, it let users choose their desired skills, then scrapes and shows a list of jobs that may be a good fit for them. Using **Python** and deployed with **Terraform AWS**.

#### Multiple Linear Regression Web App Project

Developing a **Containerized Web App** using **Python** and **Docker** to predict values, the app **preprocess data** from csv's, then users select their features and values to train a model that computes the prediction.

### EDUCATION

#### Bachelor in Data Engineering

Polytechnic University of Yucatan (2022 - Current)

### CERTIFICATE COURSES

#### AWS Academy Cloud Foundations

AWS Academy (October - December 2024)

#### CCNA: Introduction to Networks

Cisco NetAcad (June - December 2024)

#### Google Cybersecurity

Coursera Grow with Google (April - June 2024)

#### Google Cloud Computing Foundations

Google Cloudskillsboost Academy (July - September 2023)

#### More Certificates ...