

# Eng. José María García Márquez

Mexico | CDMX | 03340

www.josemaria.me | josemariagarciamarquez2.72@gmail.com

LinkedIn | GitHub

## Education

---

**UNAM, CDMX**

08/2017 – 06/2023

*Bachelor in Geophysical Engineering*

## Professional Experience

---

**Open Science Labs**

11/2023 – 12/2023 *Internship: Software Developer*

- Developed "fqlearn," a Python library for streamlining thermodynamics calculations, including the McCabe-Thiele distillation process.

**DIAS geophysical, Zacatecas**

06/2023 – 06/2023 *Internship: Field Engineer*

- Leveraged advanced geophysical techniques, particularly Induced Polarization (IP), for a mineral exploration project, enhancing geological understanding and project success.

## Specialized Skills

---

### Programming Languages:

- Python (5), R (5), MATLAB (5), Fortran (3)

### Professional Skills:

- Data Visualization (5): matplotlib, gnuplot, numpy, scipy, pandas
- Software (5): Excel, LeapFrog Energy, AutoCad
- GIS (5): QGIS, geopandas, Folium, Rasterio
- Analytical Thinking (5), Problem Solving (5), Adaptability (4)

## Professional Interests

---

### Data Science:

- Passionate about visualizing and processing geophysical data using tools like matplotlib, numpy, and pandas.
- Interested in applying data science techniques in mining, energy, and oil industries.
- Exploring opportunities in the intersection of data science and geophysical engineering.

## Publications

---

Explored utility of "Exploring fqlearn: Empowering the Analysis and Design of Thermodynamic Processes" at Open Science Labs.

## *Contributions*

---

Contributed to:

- [fqlearn](#)
- [hvsrlearn](#)
- [seismicedubox](#)