ENG. JOSÉ MARÍA GARCÍA MÁRQUEZ

Geophysical Engineering graduate with skills in data processing and programming (Python, R, MATLAB), data visualization, and spatial analysis. Strong background in geology and data interpretation. Ready to contribute.

CONTACT

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- in José María García Márquez

SKILLS

Programming
- **Python** ●●●●●
- **Julia** ●●●●○
- **MATLAB** ●●●●○
- **R** ●●●●●
- **HTML/CSS** ●●●○○
- **LaTeX** ●●●●○

Operating Systems
- **Linux** ●●●○○
- **MacOS** ●●●●○
- **Windows** ●●●●○

Software & Tools
- **Visualization** ●●●●●
  (e.g., matplotlib, gnuplot, ...)
- **Data handling/analysis** ●●●●●
  (e.g., numpy, scipy, pandas, ...)
- **Git** ●●●○○
- **Office** ●●●●○
- **Geophysical software** ●●●●○
  (e.g., Fatiando a Terra, ZondST2D, ...)

Languages
- **Spanish** ●●●●●
- **English** ●●●●○
- **Chinese** ●○○○○

PUBLICATIONS

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

CONTRIBUTIONS

I have contributed to the following projects, and I am currently actively contributing to others:
- fqlearn
- magpy

INTERESTS AND PROFESSIONAL DEVELOPMENT

I am deeply committed to leveraging my skills in the construction, mining, and energy sectors, with a particular interest in open-source projects. Beyond construction and mining, I am drawn to fields like civil engineering, geology, and environmental studies. My ambition extends to making impactful contributions in the petroleum and energy industry. I am enthusiastic about actively participating in collaborative open-source initiatives, aiming to contribute to diverse teams and foster shared knowledge. Additionally, I have a keen interest in data visualization and computer tools, believing in their crucial role for effective communication and informed decision-making. Committed to continuous learning, my overarching goal is to play a versatile and meaningful role across various domains, consistently pushing the boundaries of my capabilities.

⚙ WORK HISTORY

📅 11/2023
📍 Open Science Labs

Internship: Software Developer

Developing a Python library named "fqlearn" designed to streamline thermodynamics calculations and address intricate problems, such as the McCabe-Thiele distillation process, and more.

📅 06/2023 - 06/2023
📍 DIAS Geophysics, Zacatecas

Internship: Field Engineer

A mineral exploration project leveraged advanced geophysical techniques, particularly Induced Polarization (IP), to gain valuable insights into subsurface geology and mineral deposits, with a focus on data analysis, significantly enhancing geological understanding and project success.

🎓 EDUCATION

📅 08/2017 - 06/2023
📍 UNAM, CDMX

Bachelor in Geophysical Engineering

GENERAL SKILLS

Data Processing · Team Collaboration · Patience · Analytical Thinking · Problem Solving · Adaptability · Continuous Learner · Critical Thinking · Effective Communication

WHEEL CHART

Daytime job · Training · Recreation time · Studying · Sleep