Juan David Lamus Rincon

Physicist | Data analysis | Data science |

CONTACT

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PROFILE

Passionate physicist with experience in data analysis, machine learning, and data-driven projects. Skilled in Python, SQL, R, and Excel, with a growing interest in data visualization and artificial intelligence. Motivated by exploring how modeling and analytics can solve complex problems across different fields. Through academic and freelance projects, I have applied data-driven approaches, strengthening my skills in data processing, interpretation, and communication of results, always emphasizing teamwork and innovation.

WORK EXPERIENCE

Research Assistant

Universidad Industrial de Santander. 2025

- Conducted phonon structure analysis of materials using Phonopy and developed Python scripts for data processing, visualization, and automation.
- Contributed to the development of new features in Phonopy, extending its functionality for research applications.
- Prepared technical reports and documentation in LaTeX, and consolidated bibliographic databases to support literature reviews.

Student Representative, Physics Deparment

Universidad Industrial de Santander. Oct 2023 - Dec 2025

- Participated in departmental meetings to represent student perspectives in decision-making processes.
- Collaborated with faculty and administration to address academic and administrative issues.

Teaching Assistant Physics

Universidad Industrial de Santander. Oct 2023 - Dec 2024

- Assisted in preparing and delivering tutorials, laboratory sessions, and problem-solving workshops.
- Encouraged critical thinking and problem-solving skills in both theoretical and experimental contexts.

SKILLS

Data Science Libraries:
Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, SciPy, Pytorch, Tensowflow.

Artificial Intelligence:
AI Application, AI Ethics, AI Capabilities.

Soft Skills:
Team Leadership, Work Ethic, Time Management.

COURSES

- **Data analysis with python - Freecodecamp.**
- **Data analysis with R - GOOGLE.**
- **Artificial Intelligence Fundamentals - IBM**
- **Intro to SQL - Kaggle.**
- **How to solve problem and make decision effectively   - UC Irvine.**

EDUCATION

B. sc. Physics   **2025**
Universidad de Santander

LENGUAGES

Spanish
English
Portuguese