

ALEJANDRO PINTO

DATA ANALYST | DATA SCIENTIST

CONTACT

3209958781
jalejandropintoc@gmail.com
AlejandroPinto
LinkedIn

PROFILE

Physicist with a strong background in statistics, data analysis, and machine learning. Experienced in leveraging statistical methods and mathematical modeling to extract meaningful insights from complex datasets. Skilled in data processing, analysis, and visualization, with a focus on utilizing machine learning techniques to solve real-world problems. Proven ability to work effectively in multidisciplinary teams, contributing to projects that drive innovation and create tangible business value.

SKILLS

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

Excel: Macros and VBA

Database: MySQL

PowerBI, Git and Github, Azure

WORK EXPERIENCE

Data Analyst Internship

Nimbutech - Correlation One - MinTic 2022

- Mastered programming languages like Python and R, as well as mastering techniques such as data cleaning, data visualization, and statistical analysis, techniques for cleaning and preparing data for analysis, including handling missing values, outliers, and formatting issues.
- Used visualizations such as histograms, scatter plots, and box plots to understand the distribution and relationships within the data. Calculating and interpreting summary statistics such as mean, median, standard deviation, and correlation to describe the data.
- Designed of machine learning techniques, including supervised and unsupervised learning, model evaluation, and deployment.
- Implemented notebooks to extract and clean data from Microsoft Dynamics 365 CRM in the Azure cloud environment.
- Connected Azure with PowerBI to create dynamic visualizations and interactive reports, facilitating data-driven decision-making based on solid and up-to-date information.

EDUCATION

B. Sc. Physics 2021

Universidad Industrial de Santander

Computational Characterization (energy, electronic, and phononic structure) of material perovskite-like Ruddlesden-Popper $Sr_2(Ta, Nb)O_3N$ in order to provide more information about the possible ferroelectric behavior.

Data Analysis 2022

CORRELATION ONE DS4A

Practicing data analysis skills with real-life cases to prepare for data analysis jobs. Improving tools like spreadsheets, SQL, and Python.

Exploratory Data Analysis 2023

SENA

Creation of charts in Python and analytical reports in PowerBI.

Research Assistant

Universidad Industrial de Santander 2020-2022

- Performed post-processing of data with the codes VASPkit and Phonopy to analyze the electronic and phononic structure of materials.
- Analyzed structural energy with Python libraries such as Pandas, NumPy, Seaborn, and Matplotlib, as well as the PyProcar library. • Used software such as Grace and PyProcar for electronic and phononic structure analysis.
- Developed and optimized computer codes in Python to perform simulations on supercomputers, achieving significant improvements in computational efficiency and data analysis.
- Created reports using the markup language LaTeX.
- Presented research findings at the Materials Research Society (MRS) and contributed to the dissemination of research results through scientific outreach activities.
- Consolidated databases of bibliographic reviews.
- Prepared research projects for internal calls from UIS and MinCiencias Colombia.
- Facilitated effective communication among team members by leading research group meetings.

LANGUAGES

English 
Spanish 