Bruno Rodriguez M.

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Data analyst with a background in physics and over four years of experience in analyzing, processing, and visualizing complex data. Specialized in big data analysis, statistical modeling, and developing data-driven solutions. Strong skills in data cleaning, query optimization, and visualization creation. Effective communicator, able to translate technical findings into clear narratives for technical and non-technical audiences.

WORKING EXPERIENCE

Redi, Lima: Data analyst (September 2024-now)
- Extraction of data from the company's partners' API and subsequent construction of relational databases of drivers and transactions.
- Preparation of weekly and monthly growth reports.

Universität Bonn, Bonn: Teaching assistant (October 2023-September 2024)
- Programming the code used for data processing and writing the corresponding documentation, which brought down the time required for analysis by 50%.

European Southern Observatory, Garching: Research intern (May 2021-October 2021)
- Merging of 3 large datasets from the LOFAR observatory, which produced a sample of quiescent galaxies nearly 10 times larger than in previous similar studies..
- Analysis and modeling of observed galaxy properties, which revealed an excess of radio emissions and suggests influence from active galactic nuclei.

Academia Sinica Institute of Astronomy and Astrophysics, Taipei: Research intern (July 2018-August 2018)
- Cleaning and modeling of data corresponding to observed emissions from stars in the post-AGB stage; results were presented at an international astronomy conference.

EDUCATION

University of Bonn: *M.Sc. Astrophysics* (2024)
Pontifical Catholic University of Perú: *B.Sc. Physics* (2018)

PROJECTS

Hydrostatic pressure as predictor of star formation (Master's thesis project):
- Creation of a relational database with observed properties from nearby galaxies.
- Statistical modeling of the data, which confirmed a strong correlation between hydrostatic pressure and star formation rate.

TECHNICAL SKILLS

Python programming (Numpy, SciPy) - Data analysis (Pandas, SQL) - Machine Learning (scikit-learn) - Deep Learning (PyTorch) - Data visualization (Seaborn, Power BI) - Version control (Git, GitHub) - Use of AI agents - Microsoft Office (Word, Excel, Power Point)

SOFT SKILLS

Critical thinking and creativity - Leadership - Teamwork - Event planning and moderation - Conflict resolution

SPOKEN LANGUAGES

Spanish: native speaker - **English**: proficient speaker - **German**: intermediate knowledge - **French**: basic knowledge