

Andres Barbosa Hetherington

📍 Data Scientist

Key Expertise

- **Python**
- **ML** (Pandas, Scikit-learn, TensorFlow, Keras, Spark)
- **Cloud**: AWS, Datbricks, Google Cloud
- **Django**
- **R**
- **Matlab**
- **Fortran**
- **Data Base**: Snowflake, Oracle, PosgreSQL/PostGIS,MongoDB.
- **GIS** (QGIS; ArcGIS)
- **Graphic design** (Corel-Draw, Adobe Illustrator, PhotoShop)

Summary

With a foundation in Geophysics from Universidad Nacional del Sur (UNS), I spent significant time at CONICET, mastering geophysical data acquisition and processing techniques. My enthusiasm for data led me to pursue a Master's in Data Science from the Universidad de Buenos Aires (UBA). This academic transition paved the way for my current specialization in the field of Machine Learning, where I combine my expertise in geophysics and data analysis.

Work History

2022 - Present day **Analytics Town**
Data Science

- Collaborated with cross-functional teams, aligning project goals to specific customer requirements and provided data-driven insights to guide strategic decisions.
- Spearheaded the end-to-end data processing pipeline, streamlining the flow from data collection to database querying and ensuring data consistency.
- Employed advanced data cleaning methods and championed ETL (Extract, Transform, Load) processes, preparing data for precise analyses.

- Played a pivotal role in the conceptualization, design, testing, and deployment of predictive models, ensuring robust performance in varied scenarios.
- Developed and honed a knack for translating intricate data-driven insights into clear, concise, and actionable recommendations for non-technical stakeholders, fostering an environment of informed decision-making.
- Engaged in proactive problem-solving sessions, consistently seeking out innovative solutions to complex analytics challenges.
- Stayed updated with emerging trends and technologies in data science through regular participation in workshops and conferences.
- Worked closely with IT and development teams to ensure seamless data integration and model deployment processes, bridging any technical communication gaps.
- Contributed to internal initiatives aimed at refining the team's tools and workflows, enhancing overall efficiency and output quality.

May 2023 - Present day

CoderHouse

Data Science Professor

- Addressed student inquiries, simplifying complex topics to enhance understanding.
- Mentored students through end-to-end machine learning projects, ensuring conceptual clarity.
- Led AfterClass sessions to reinforce key topics and address specific student challenges.
- Collaborated with fellow tutors to maintain a relevant and engaging curriculum.
- Emphasized the importance of effective communication, helping students convey intricate data insights to a broader audience.

December 2020 - September 2022

CPA- Professional support to researches

IPATEC-CONICET, San Carlos de Bariloche

- Collaborated with a multidisciplinary research team, utilizing Machine Learning to develop models tailored to address specific research challenges and objectives.
- Leveraged Python for the creation of dynamic and efficient programs, enhancing the accuracy and speed of data processing and analysis.
- Expertly handled and processed diverse datasets obtained from a range of geophysics instruments, ensuring the data's integrity and reliability for subsequent studies.
- Engaged in rigorous testing phases to validate the effectiveness and reliability of the developed Machine Learning models.
- Regularly liaised with domain experts to fine-tune model parameters, ensuring they aligned well with research objectives.
- Participated in knowledge-sharing sessions, presenting findings and methodologies to peers, and contributing to the overall growth of the research community.

Education

2020-2022

Universidad de Buenos Aires (UBA)

The Universidad de Buenos Aires (UBA), as Argentina's premier educational institution, is renowned as one of the most prestigious academic centers in both the Americas and globally. In 2021, it secured the 66th spot in the QS World University Rankings, marking it as the top university in Ibero-America based on its exceptional teaching quality, research caliber, and international outreach

Master’s in Data Science

- Two-year specialization in Data Science.D

2011-2018

Universidad Nacional del Sur (UNS)

The Universidad Nacional del Sur (UNS) is distinguished not only as one of Argentina's top 10 universities but also as a regular contender among the top 100 institutions across Latin America. This esteemed recognition is a testament to the exemplary reputation of its graduates in professional circles, the collaborative scientific research with CONICET institutes, and the academic excellence of its undergraduate and postgraduate programs. These programs frequently receive the highest accreditations from the National Commission for University Evaluation and Accreditation (CONEAU)

Geophysics Degree

- Solid knowledge about mathematics, physics and statistics.

Lenguages

- **English**: advanced
- **Spanish:** Native