

Carlos Andrés Betancur Yepes.

Data Analyst| Jr Data Scientist.

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Trained scientist with strong skills for mathematical and computational statistical interpretation of complex industry problems, with relevant complementary training courses such as **SQL**, **No-SQL**, **Power BI**, and **Python** focused on library manipulation (**Pandas**, **JSON**, **RegEX**) for cleaning and organizing **structured** and **unstructured** data. Likewise, other tools for **Machine Learning** such as **Scikit-Learn**, **Numpy**, **Matplotlib** and **Seaborn**.

EXPERIENCE

DATA MINING (May 2022- December 2022)

- Creation of **DataFrames** for **structured** data in **CSV** and **TXT** file formats.
- Extraction of **unstructured** data from web pages in **HTML** format using **Web-Scraping** techniques, **RegEx**, and **JSON** text formats.
- Sentiment analysis using **Natural Language Processing** (**NLTK**, **SpaCy**, **SciPy**, **TextBlob**).
- Training models in **Machine Learning** such as **Linear Regression**, **Decision Trees** and **TensorFlow**.

BIG DATA ANALYST (May 2022-December 2022)

- Processing and debugging of missing or outlier values in unstructured files using **Natural Language Processing** (NLP) and **Machine Learning** (ML) techniques.
- Provide information and support business decisions.
- Establish financial and operational predictions of future trends.

BANCOLOMBIA (October 2022 - November 2022)

- Creation of an automatic news categorization system for corporate clients.
- Unsupervised classification of the data by using algorithms such as **K-means** and **Transformers**.

MATERIALS SCIENCE RESEARCH GROUP, Universidad de Antioquia (June 2021 – December 2022)

- Development of new theoretical studies on optical layers of experimentally verified non-linear materials.

- Implementation of news algorithms for the solution of differential equations in Wolfram Mathematica language.

SKILLS.

- Python, C++, SQL, No-SQL, Power BI, Microsoft Excel, Data Mining, Machine Learning, Matlab, Wolfram Mathemática, Mathematical and statistical modeling, intermediate English, basic German.

EDUCATION

PROFESSION

Universidad de Antioquia

- Physics (2014-2022)

CERTIFICATIONS

Universidad de Antioquia

- Big Data (April 2022 - November 2022)

MinTic

- Fundamentals in data analytics (November 2022 – in progress)

Politécnico Superior de Colombia

- Pedagogy for youth and adults (March 2022 – April 2022)
- Didactics for university teaching (March 2022 – April 2022)

REFERENCES

Senior Data Scientist Michal Hemmerling

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Physicist Lucas Quiceno

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