Jefferson Andrés **García Ortiz**

Data Engineer · Mathematician · Data Analyst

(+34) 600 98 74 89 | jandortiz1890@gmail.com | www.jandortiz.com | jandortiz | jandortiz

Summary

I am mathematician with experience in optimization, process automation, and the implementation of analytical tools that enable decision-making based on precise and up-to-date information.

I am known for being an analytical, structured, and rigorous person with a strong motivation to constantly learn, as well as being autonomous in developing skills according to the requirements at hand.

I possess skills in listening, dialogue, problem-solving, teamwork, among others, which allow me to contribute my knowledge across various areas and in different multidisciplinary contexts.

Technical Skills

Language	Python - JavaScript (Básico)
Front-end	HTML - CSS
DataBases	MongoDB - PostgreSQL
DevOps - Cloud	GitHub - Docker - AWS
Analytics	NumPy - Pandas - Matplotlib - Seaborn - Spark - PowerBI - Tableau

Experience

Quipux S.A. *Medellín, Colombia*
Data and Quality Analyst *Aug. 2022 - Aug. 2023*
- I developed an application that allowed for the identification of inaccurate vehicle tax charges and the calculation of payments both individually and in bulk.
- I implemented processes to ensure data quality for subsequent decision-making.
- I updated data with vehicle characteristics to enable the collection of the annual tax.
- I maintained code responsible for sending mass notifications to taxpayers.

Quipux S.A. *Medellín, Colombia*
Data Analyst *Apr. 2021 - Aug. 2022*
- I automated PDF reports with valuable information related to the public transportation system.
- I redesigned Power BI reports that displayed daily passenger mobility data.
- I extracted, transformed, and made mobility data available for consumption in PDF reports and Power BI.

Academic Experience

Universidad de Antioquia *Medellín, Colombia*
Master's Thesis Tutor *Aug. 2022 - Dec. 2022*
- I advised on the development of the master's thesis titled: Computational Thinking as a Resource for the Understanding of Operations with Rational Numbers.

Universidad de Antioquia *Medellín, Colombia*
Master's Thesis Tutor *Feb. 2022 - Jul. 2022*
- I advised on the development of the master's thesis titled: Algorithmic Procedures in Problem Solving with Systems of Linear Equations.

Universidad de Antioquia *Medellín, Colombia*
Mathematics Instructor (Service Contract) *Feb. 2022 - Jul. 2022*
- I designed, taught, and evaluated courses in Discrete Mathematics, Differential and Integral Calculus, Euclidean Geometry, and Logic.

Universidad Nacional de Colombia *Medellín, Colombia*
Mathematics Instructor (Service Contract) *Feb. 2020 - Nov. 2020*
- I designed, taught, and evaluated courses in Differential Calculus and Basic Mathematics.

Education

Universidad Autónoma de Madrid   *Madrid, Spain*

Master in Big Data and Data Science: Science and Engineering   *Sep. 2023 - Feb. 2025*

Universidad EAFIT   *Medellín, Colombia*

Diploma in Front-end and Back-end Software Development   *Aug. 2022 - Oct. 2022*

Universidad de Antioquia   *Medellín, Colombia*

Master in Mathematics Education.   *Feb. 2017 - Dec. 2019*

Universidad Nacional de Colombia   *Medellín, Colombia*

Mathematician   *Feb. 2011 - Dec. 2015*