MARIANA ARBOLEDA

I love learning and hope to inspire the same in my students



EDUCATION

current 2022

PhD., Education Universidad del Norte

Parranquilla, Colombia

- · Data Science Education
- · Advisor: Camilo Vieira, PhD

June 2025 Aug 2024

Visiting Scholar University of Virginia

• Charlottesville, USA

- · Fulbright scholar
- · Advisor: Jennifer Chiu, PhD

2022 2019

MS Engineering Universidad EAFIT

- Medellín, Colombia
- · Applying Machine Learning Models in sales forecasting
- · GPA: 4.78/5.0

2016 2012

BS Production Engineering Universidad EAFIT

Medellín, Colombia

· GPA: 4.64/5.0



SELECTED PROJECTS

present 2022

Research assistant Barranquilla, Colombia

- Universidad del Norte
- · Validating psychometric instruments for measuring Teacher well-being and socio-emotional learning of students from two different countries, and leading the report of quantitative results.

2024

Pedagogical coordinator and instructional developer

Barranquilla, Colombia

- Universidad del Norte
- Coordinated a team of 5 experts to design 30 lesson plans and evaluationss for the K-11 Colombian curriculum,
- · Designed lesson plans introducing computational science, and data science, and artificial intelligence concepts



SELECTED TEACHING EXPERIENCE

Dec 2023 Jan 2023

Mathematics Tutoring

Universidad del Norte - I.E El Cañahuate

- Barranquilla, Colombia
- · Providing tailored mathematics tutoring sessions to high school students, with a strong emphasis on statistics, probability, and data visualization
- · Instilling an appreciation for Mathematics and its practical applications, with a focus on realworld examples and relevance
- · Utilizing various teaching resources to enhance comprehension of statistical concepts and data representation while recognizing the environmental limitations



View this resume online with links at marianaarboleda.github.io/cv/resum For a longer form version, see my CV.

CONTACT



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(7)

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in https://www.linkedin.com

/in/marianaarboledaf/

LANGUAGE SKILLS

R	
Python	
Bash	
SQL	

Made with the R package pagedown. The source code is available at https://aithub.com /marianaarboleda/cv. Last updated on 2025-01-19.

Dec 2023 | Jul 2022

Computational Thinking for Everyone

Universidad del Norte ◆ Barranquilla, Colombia

• Teaching Computational Thinking, Data Science, and Machine Learning fundamentals for multidisciplinary students

• Implementing a design-based research approach to refine the program using evidence from the initial offerings

Nov 2021 | Apr 2021

Computational Thinking for High School Level Students - Remote Learning

Universidad EAFIT

• Medellín, Colombia

- Engaged students in beginner-friendly activities fostering the development of computational thinking skills
- Encouraged collaborative learning through online platforms, creating an interactive and inclusive virtual classroom