

MARIANA ARBOLEDA

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



EDUCATION

current 2022	PhD., Education Universidad del Norte	📍 Barranquilla, Colombia
	<ul style="list-style-type: none">• Data Science Education• Advisor: Camilo Vieira, PhD	
June 2025 Aug 2024	Visiting Scholar University of Virginia	📍 Charlottesville, USA
	<ul style="list-style-type: none">• Fulbright scholar• Advisor: Jennifer Chiu, PhD	
2022 2019	MS Engineering Universidad EAFIT	📍 Medellín, Colombia
	<ul style="list-style-type: none">• Applying Machine Learning Models in sales forecasting• GPA: 4.78/5.0	
2016 2012	BS Production Engineering Universidad EAFIT	📍 Medellín, Colombia
	<ul style="list-style-type: none">• GPA: 4.64/5.0	

SELECTED PROJECTS

present 2022	Research assistant Barranquilla, Colombia	📍 Universidad del Norte
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• Coordinated a team of 5 experts to design 30 lesson plans and evaluations 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
	<ul style="list-style-type: none">• 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 real-world 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/resume

For a longer form version, see my [CV](#).

CONTACT

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🔄 github.com/marianaarboleda

📧 marianaarboleda.github.io

📌 <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://github.com/marianaarboleda/cv>.
Last updated on 2025-01-19.

Dec 2023 Jul 2022	Computational Thinking for Everyone <ul style="list-style-type: none"> • 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 	Universidad del Norte	📍 Barranquilla, Colombia
Nov 2021 Apr 2021	Computational Thinking for High School Level Students - Remote Learning <ul style="list-style-type: none"> • 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 	Universidad EAFIT	📍 Medellín, Colombia



SELECTED AWARDS, FELLOWSHIPS, & GRANTS

2025 2024	Fulbright scholarship - Estudiante doctoral colombiano <ul style="list-style-type: none"> N/A 	Fulbright Colombia	📍 Colombia
2022 2019	Full-Funded Research Project in Engineering <ul style="list-style-type: none"> • Master's program research 	Universidad EAFIT	📍 Colombia
2016 2012	Bachilleres por Colombia Scholarship <ul style="list-style-type: none"> • Full scholarship for the entire undergraduate program 	Ecopetrol	📍 Colombia
2015	Roberto Rocca Education Program Scholarship <ul style="list-style-type: none"> N/A 	Ternium, Techint Ingeniería y Construcción and TenarisTamsa	📍 Colombia
2014	Honorary scholarship for academic performance <ul style="list-style-type: none"> N/A 	Universidad EAFIT	📍 Colombia