

JEISON LEONARDO AMOROCHE MORALES

Mathematician

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Bucaramanga, Colombia

Colombia



PROFILE

Master's student in Mathematics at the Industrial University of Santander, with interests in Topology, Differential Geometry, and Functional Analysis. Passionate about learning, research, teaching, and science communication. I am characterized by teamwork, responsibility, and openness to diverse perspectives.

RESEARCH

Areas of Interest

Topology, Set Theory, Descriptive Set Theory, Functional Analysis.

Talks

- Speaker at the XXIV Colombian Congress of Mathematics (UTP) (2025).
- Speaker at the Mexican Topology Workshop (UNAM) (2025).
- Speaker at the XIII Northeastern Mathematics Symposium (UIS) (2025).

Schools

- Research School in Geometry – UNAM, Cuernavaca (2025).

EXPERIENCE

Lecturer in Linear Algebra

Industrial University of Santander

2025 – Present

Bucaramanga, COL

- Course design and evaluation in Linear Algebra.
- Implementation of teaching methodologies.

Intensive Course Lecturer in Mathematical Analysis II

Industrial University of Santander

July 2024 – August 2024

Bucaramanga, COL

- Topics: Differentiation, Functions of bounded variation, Riemann–Stieltjes integral, Sequences and series of functions.

Academic Tutor

Industrial University of Santander

2022 – 2024

Bucaramanga, COL

- Support in Differential and Integral Calculus and Fundamentals of Mathematics.
- Personalized tutoring for first-year students.

LANGUAGES

Spanish (Native)



English (B2)



Portuguese (A1-A3)



SKILLS



Logical reasoning

Teamwork

Effective communication

Leadership

Problem-solving



Teaching

Research

Python

C++

LaTeX

Topology

Descriptive set theory

PROUDEST ACHIEVEMENTS

Mathematics Degree

UIS, Bucaramanga.

Teaching and Academic Events

Speaker at a national mathematics congress.

International Experiences

Academic mobility to Mexico City and Cuernavaca.

PERSONAL INTERESTS

- Sports.
- Music and literature.

True wisdom is born from humility, and true strength from respect.

REFERENCES

Prof. Carlos Enrique Uzcátegui Aylwin

@ UIS

cuzcatea@saber.uis.edu.co

EDUCATION

Master's in Mathematics

Industrial University of Santander

 2024 – Ongoing

- Courses taken: Topology, Analysis in R^n , Linear Algebra I, Topics in Set Theory, Functional Analysis, Topics in Descriptive Set Theory, Algebraic Topology.

Bachelor's in Mathematics

Industrial University of Santander

 2020 – 2024

- Graduated *cum laude*.
- Thesis: “Extensions of compact T_1 topological spaces”, supervised by Prof. Carlos Enrique Uzcátegui Aylwin.

Administrative Assistance Technician

SENA

 2018 – 2019

PUBLICATIONS

Journal Articles

- S. M. Jeison Amorochó Javier Camargo, “Orbit sets, transitivity, and sensitivity with upper semicontinuous maps,”
<https://arxiv.org/abs/2507.12272>, 2025.

School of Mathematics

Prof. Michael Alexander Rincón Villamizar

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School of Mathematics