

JEISON LEONARDO AMOROCHO MORALES

Mathematician

@jeisonamorocho@gmail.com  
https://jeisonamorocho.github.io/

+57 318 003 1870

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  $\mathbb{R}^n$ , 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 Amorocho 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**

@ UIS

✉ [marinvil@uis.edu.co](mailto:marinvil@uis.edu.co)

School of Mathematics

---

**Prof. Carlos Wilson Rodríguez Cárdenas**

@ UIS

✉ [cwrodrig@us.edu.co](mailto:cwrodrig@us.edu.co)

School of Mathematics