

# Jaider D. Torres

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“Be the change that you want to see in the world.”

## Summary

I am a master's student at UNICAMP, interested in algebras with polynomial identities (PI algebra) and its relation to non-commutative geometry and algebraic geometry. My project explores Azumaya Algebras and supergeometry, guided by my advisor's work on embedding theorems and their connections to supertraces and supergeometry. I am particularly interested in how these concepts relate to advanced mathematical structures such as supergeometry and higher category theory. My academic journey is driven by a deep curiosity about the intersections of algebra, geometry, and their broader implications.

## Education

### Francisco José de Caldas District University

B.S. IN MATHEMATICS

- Awarded on two occasions with honors and academic and administrative assistantships.

Bogotá, Colombia

Feb. 2020 - Dec. 2023

### State University of Campinas

M.S.C IN MATHEMATICS

- Master's student

Campinas, Brazil

Feb. 2024 - Now

## Skills

**Programming** Python, Matlab, LaTeX

**Languages** Spanish, English, Portuguese

## Extracurricular Activity

### University of Cundinamarca

SPEAKER

- Speaker at 1st Latin American Translocal Meeting of Research Groups.

Colombia

May. 2023

### UPTC and Colombia Society of Mathematics

ASSISTANT

- Assistant at the XXIII Colombian Congress of Mathematics.

Colombia

Jun. 2023

### Francisco José de Caldas District University

PARTICIPANT

- Active participant of Logic and Topology (LOTO) and Number Theory and Algebra (ITENUA) Research Groups.

Colombia

Jul. 2021, Jul. 2022 - Jun. 2024

### Industrial University of Santander

SPEAKER

- Speaker at the XII Northeastern Mathematics Symposium.

Colombia

Dec. 2023

### State University of Campinas

SPEAKER

- Speaker at XVIII EnCPos.

Brazil

May. 2024

### IMPA

SPEAKER

- Speaker at V ELGA.

Brazil

Aug. 2024

# Honors & Awards

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2022	<b>Honours</b> , Francisco José de Caldas District University	<i>Bogotá, Colombia</i>
2023	<b>Honours</b> , Francisco José de Caldas District University	<i>Bogotá, Colombia</i>
2023	<b>Academic Assistantship</b> , Francisco José de Caldas District University	<i>Bogotá, Colombia</i>
2023	<b>Administrative Assistantship</b> , Francisco José de Caldas District University	<i>Bogotá, Colombia</i>
2024	<b>FAEPEX Scholarship Holder</b> , State University of Campinas	<i>Campinas, Brazil</i>