



JÚLIO  
BARCZYSZYN  
BSc Mathematics

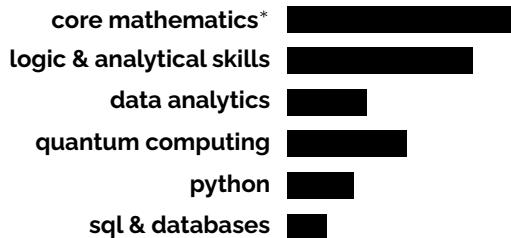
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## who am i?

I'm an aspiring mathematical philosopher and data scientist. I combine Mathematics, Philosophy, and coding, bridging the gap between **logical foundations** and **modern applications**, making me a unicorn that can tackle deep conceptual and complex practical problems such as those on the frontiers of science and industry — from theory to new technologies.

\*Here "core" refers to Linear Algebra, Probability Theory, etc.



## experience

2021 — 2025  
fellowship

### Undergraduate Research Fellow

Universidade Federal de Santa Catarina  
I'm studying logical foundations of physical theories under the supervision of Prof. Jonas R. Becker Arenhart in the [Research Group in Logic and Foundations of Science](#) at UFSC.  
Funded by the PIBIC/CNPq undergraduate research program.

Research / Logic / Philosophy of Science / Philosophy of Physics / LaTeX

2019 — 2021  
fellowship

### Undergraduate Teaching Assistant

Universidade Federal de Santa Catarina  
Provided academic support for undergraduate students, focusing on topics such as Peano axioms, elementary Number Theory, methods of proof or, more broadly, logical reasoning.  
Funded by the UFSC undergraduate tutoring program.

Teaching / Logic / Number Theory / Storytelling / Social Responsibility

2013 — 2014  
part-time

### Web Designer

Aidos Tecnologia  
End-to-end development of responsive websites, using Bootstrap to build custom WordPress themes. Implemented third-party plugins like WooCommerce for e-commerce solutions.

Adobe Creative Suite / WordPress / SQL / PHP / Bootstrap / HTML & CSS

## education

begins 2026

### Master's degree in Logic and Foundations of Science

Universidade Federal de Santa Catarina

2024 — 2027

### Bachelor's degree in Philosophy

(GPA: 9.50/10) Universidade Federal de Santa Catarina

Building on my background in Mathematics, here the main focus is on acquiring more analytical and conceptual tools to conduct frontier research in the foundations of the sciences.  
Logic / Philosophy of Science / Philosophy of Physics / Artificial Intelligence

2018 — 2023

### Bachelor's degree in Mathematics

(GPA: 8.98/10) Universidade Federal de Santa Catarina

Emphasis on the mathematical foundations of the sciences. The degree was earned through a [756-hour special honors track](#) and my [final project](#) was about Stone Duality, a category-theoretic theorem, co-supervised by Prof. Luiz G. Cordeiro and Prof. Jonas R. Becker Arenhart.  
I also took many extra courses, e.g. many Philosophy courses, Analytical Mechanics, Introduction to Python Programming, Quantum Computing, Quantum Chemistry, Non-Classical Logics, History of Logic, Metalogic, and Semantics, to name a few.  
Logic / Category Theory / Mathematical Physics / Scientific Computing / Python

portuguese



english



spanish



## hobbies

Writing is my passion. So, I seek to articulate [what I learn](#) into materials that may one day become blog articles or books.

## non-profit

Whenever possible, I get involved in projects aimed at disseminating science, to a general audience, with a philosophical twist.