

Dante Rubio

Junior Researcher in Quantum Computing

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Objective

Junior Researcher in Quantum Computing at the National University of Colombia (UNAL), with a focus on Quantum Information Theory. Passionate about exploring the intersections of pure mathematics, particularly number theory and algebraic topology, with the field of physics through quantum computing.

Education

[2022–Present] **Bachelor's in [Mathematics] (Expected: 2026)**, *National University of Colombia (UNAL)*, Bogotá, Colombia
Relevant Courses: [Mathematical Physics, Complex Analysis, Quantum Computing, Quantum Mechanics]

Research Experience

[2023–Present] **Junior Researcher**, *Quantum Computing Research Group*, National University of Colombia (UNAL), Bogotá

- Contributing to research on Quantum Information Theory.
- Collaborating with a team on various projects within quantum computing.

[2023] **Research on Number Theory**, *ALTENCOA (Colombian Meeting on Algebra and Number Theory)*, Bogotá, Colombia

- Presented computational approaches to the distribution of prime numbers.

[2024] **Study Visit**, *RWTH Aachen University*, Aachen, Germany

- Engaged in a research-focused study visit aimed at exchanging ideas and exploring advanced topics in quantum technologies, with a particular focus on Quantum AI.
- Delivered a research presentation as part of the visit.

[2024] **Study Visit**, *DLR (German Aerospace Center)*, Berlin, Germany

- Participated in a study visit to collaborate on research and gain insights into cutting-edge developments in Quantum AI and other quantum technologies.
- Presented research findings during the visit.

Technical Skills

Programming Languages [Python, C++, Java, R]
Quantum Computing Tools [Python, Qiskit]
Mathematical Software [MATLAB, Mathematica]

Languages

Spanish	Native
English	Fluent
German	[Indicate proficiency, if applicable]