JUAN BRIEVA RAMÍREZ

► IMJ-PRG - UPC
► CFIS - UPC

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Paris, France

$Mathematics \sim Engineering \ Physics$

EDUCATION —			
2025 - 2026	M2 Master in Fundamental Mathematics Master organized within the Institut de Mathématiques de Jussieu-Paris Rive Gauche, jointly run by Sorbonne Université, Université Paris Cité, and Université Sorbonne Paris Nord, focusing on advanced topics in algebra, geometry and number theory. Double Bachelor's in Mathematics and Engineering Physics CFIS - Universitat Politècnica de Catalunya GPA of 9.31/10 in Mathematics and 9.23/10 in Engineering Physics. Honours in 16 of the courses. CFIS is an excellence centre at the Polytechnic University of Catalonia that aims to select and mentor outstanding students for interdisciplinary studies in mathematics, physics and engineering.		, jointly run by
2020 - 2025			e courses. lect and mentor
EXPERIENCE —			
09/2024 - 03/2025	Undergraduate Research Intern Research project tutored by Professor Andrew Dancer on symplectic geometry, focusing on the singular symplectic reduction of the cotangent bundle of Lie groups.		
07/2024		d by Professor Daniel Peralta-Salas, and attend opics such as Morse Theory, Hyperbolic Geome ics research institute.	
09/2023 - 06/2024	Student mentor Mentor to 9 students of the CFIS programm and monitoring their progress during their	ne, providing academic and personal support, first year.	CFIS - UPC teaching classes
07/2023 - 08/2023	Research Project - Summer School Research project on elliptic curves tutored by UAM professor Daniel Macías Castillo based on Silverman's book <i>The Arithmetic of Elliptic Curves</i> and attended ICMAT's JAE mathematical summer school regarding various topics such as Quantum Game Theory, Infinite Groups, and Banach Lattices.		
09/2022 - 12/2022	Teaching Assistant Teaching assistant in the mathematics first-year Single Variable Calculus course, grading coursework and teaching problem-solving classes.		
1 07/2022	Research Project - Summer School	the Bellows Conjecture tutored by UB profess	CRM sor Martin Som-
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SCHOLARSHIPS, AV	VARDS AND COMPETITIONS ———		
FSMP	VARDS AND COMPETITIONS PGSM Master Scholarship 2025 - 2026	Fondation Sciences math	nématiques de Paris
FSMP CFIS	PGSM Master Scholarship 2025 - 2026 Full tuition & Accommodation scholarshi Awarded a scholarship for the duration of	p my bachelor's studies due to academic merits.	UPC
FSMP CFIS IMO	PGSM Master Scholarship 2025 - 2026 Full tuition & Accommodation scholarship Awarded a scholarship for the duration of the Honourable Mention 2019	p my bachelor's studies due to academic merits. International Math	UPC
FSMP CFIS IMO OME	PGSM Master Scholarship 2025 - 2026 Full tuition & Accommodation scholarshi Awarded a scholarship for the duration of the Honourable Mention 2019 Gold Medal 2019 & Silver Medal 2020	p my bachelor's studies due to academic merits. International Math Spanish Math	UPC nematical Olympiad nematical Olympiad
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FSMP CFIS IMO OME IMC SWERC OFE Spring Math Contest LANGUAGES Spanish. Native English. Advanced le OTHER ACTIVITIES	French. Intermediate level Catalan. Intermediate level Workshop: Fluid Dynamics, Geometry and Full tuition & Accommodation scholarship Awarded a scholarship for the duration of the durati	my bachelor's studies due to academic merits. International Mathe Spanish Math International Mathen ICP In for the contest and placed in the top third of Spanish 2022 & Honourable Mention 2023 CODING C++. Advanced level Python. Intermediate level MATLAB. Ba d Computer Science in interaction Quantization	nematical Olympiad nematical Olympiad nematical Competition PC Regional Contest contestants. In Physics Olympiad UPC Internal Competition of the Physics Olympiad UPC Internal Competiti

2010 - Present

Music studies in saxophone and piano, and member of the local concert band BSA

2012 - 2020

Member of the local roller hockey team