

Juan Ignacio Restrepo

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Education

McGill University

Montreal, QC, Canada

Ph.D. Candidate, Mathematics & Statistics, Number Theory

CGPA 4.0/4.0

2009 - Present

Universidad de los Andes

Bogotá, Colombia

B. Sc, Mathematics

CGPA 4.75/5

2004 - 2008

Magna Cum Laude, Minor in Italian Language and Culture

Selected Distinctions

Academic Awards

- Alexander Graham Bell Canada Graduate Scholarship, NSERC (2011-2014)
- Teaching Assistant Award - Math & Stats (Winter 2011)
- Magna Cum Laude in Mathematics, Universidad de los Andes (2009)
- Various Scholarships in Academic Excellence of the Faculty of Science, Universidad de los Andes

Mathematics Olympiad Awards

- Gold Medal at the Iberoamerican Mathematical Olympiad for University Students (2007)
- Winner of the Colombian Mathematical Olympiad for University Students (2007)
- Second Prize at the International Mathematics Competition for University Students (2005,2006)
- Silver and Bronze Medals at the XLV and XLIV International Mathematical Olympiad
- Silver and Bronze Medals at the XVIII and XVII Iberoamerican Mathematical Olympiad

Publications

- Restrepo J.I., Solucionario: Un recorrido por la Teoría de Números (Solutions Manual: A journey through Number Theory), Universidad Antonio Nariño, Fondo Editorial, 2012
- Brochero F., Restrepo J.I., Un recorrido por la Teoría de Números (A Journey through Number Theory), Universidad Antonio Nariño, Fondo Editorial, 2006
- Restrepo J.I., Rational Solutions to Polynomial Equations: An approximation to Hasse Principle, Undergraduate thesis (unpublished), requirement for Graduation at Universidad de los Andes (2008)

Teaching

Instructor

- McGill University (2014): Intermediate Calculus for Engineers.
- AwesomeMath Summer Program (2009-2014): Algebra 1.5
- Colombian Math Olympiad Program (2005 - 2013): Number Theory, Algebra, Combinatorics.
- Universidad de los Andes (2007): Calculus for non-engineers, Differential Calculus.

Teaching Assistant

- McGill (2010 - 2014): Calculus II, Calculus I, Enriched Linear Algebra
- Universidad de los Andes (2006): Integral Calculus
- AwesomeMath Summer Program (2007-2008): Number Theory, Algebra, Geometry

Other Experience

- Reviewer of the Delta-Epsilon Journal (McGill University)
- Coordinator at the LIV and LV International Mathematical Olympiad.
- Organizer of the XVI Colloque Pan-Québécois des étudiants de l'ISM, McGill University, May 2013.
- Leader of various Colombian teams for different Math contests (including ARML).
- Runner-up of a Coding Marathon in Bogota, Colombia.

Skills

- Languages Spoken: Spanish, English, Italian, French, Portuguese
- Technical Skills: $\text{\LaTeX}$, Python, Sage, Machine Learning, Octave, Matlab, C++, Mathematica

Additional information provided upon request.