

ANDREI JORZA
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Education

2005-	PRINCETON UNIVERSITY Candidate for Ph.D. in Mathematics	Princeton, NJ
2001-2005	HARVARD UNIVERSITY, Harvard College AB June 2005, <i>magna cum laude</i> with <i>highest honors</i> in Mathematics	Cambridge, MA
1997-2001	MOISE NICOARA National College Valedictorian.	Arad, Romania

Work Experience

Summer 2005	Ellington Management Group Mathematical Modelling.	Old Greenwich, CT
Summer 2004	Harvard University, Mathematics Research, Prof. William Stein: Computational verification of the Birch and Swinnerton-Dyer conjecture for certain (several thousand) elliptic curves. Course Assistant: Math S-1a. Reviewed and corrected problems for Harvard's new mathematics placement tests.	Cambridge, MA
2004	Harvard University Course Assistant, Mathematics 250a (graduate algebra), Mathematics 131 (topology).	
Summer 2003	Harvard University Harvard College Research Program, Prof. William Stein: Proved that the first elliptic curve of rank 4 has composite conductor.	
2003	Harvard University Course Assistant, Mathematics 112 (real analysis), Mathematics 55 (honors algebra and analysis).	
Summer 2002	American Mathematics Competitions (AMC), Mathematical Olympiad Summer Program grader/instructor: graded tests and held lectures for the top mathematics Olympiad students in the United States. Mathematical Olympiads 2002, Arad, Romania. Coauthored with Titu Andreescu (director AMC) <i>Mathematics Olympiads 2002</i> . Zalau: GIL, 2002, ISBN 9739238939.	Lincoln, NE
2002	Harvard University Joint Center for Housing Studies, Research Assistant, Zhu Xiao Di: statistical mathematics for low-income housing.	Cambridge MA
2001-2004	Tutored high school and college students for the USAMO/Putnam.	

Honors/Awards

2005	Wister Prize for student with highest record in Mathematics (Harvard).
2004	Placed 12 th on Putnam Mathematical Competition, John Harvard Scholarship.
2003	Harvard College Scholarship.
2002	Placed 18 th on Putnam Mathematical Competition, Harvard College Scholarship.
2001	Silver Medal, International Mathematical Olympiad. Medal of Excellence of President of Romania.
2000	Silver Medal, International Mathematical Olympiad. Medal of Excellence of President of Romania.

Publications

G. Grigorov, A. Jorza, S. Patrikis, W. Stein, C. Patrascu, *Verification of the Birch and Swinnerton-Dyer Conjecture for Specific Elliptic Curves*. Submitted to the AMS Journal "Mathematics of Computation".
Mathematics Olympiads 2002, Zalau: GIL, 2002, ISBN 9739238939
Generalization of a lemma in linear algebra, Octagon Math. Mag., vol. 9 (2001) 2, 801-804.
Inverting Matrices, Octagon Math. Mag., vol. 9 (2001) 1, 469-472.

Personal

Language skills: Romanian, Hungarian (native), French (intermediate), Russian (intermediate)
Programming skills: C++, Pascal, Magma (Number Theory Language), R.

Standardized

SAT 1 — 660 (verbal)/790 (math), SAT 2 — 800 (math 2c)/800 (physics)/780 (writing)
GRE 800 (math)/600 (verbal)/5.5 (writing)