

RADU BERINDE

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Education	MIT M.Eng. in Computer Science expected in 2009. 2008 - present B.S. in Computer Science, GPA: 4.9 2004 – 2008 Courses taken include <i>Computer Systems Engineering (6.033)</i> , <i>Network and Computer Security (6.857)</i> , <i>Computer Graphics (6.837)</i> , <i>Distributed Computer Systems (6.824)</i> , <i>Operating System Engineering (6.828)</i> , <i>Lab in Software Engineering (6.170)</i> , <i>Theory of Computation (6.840)</i> , <i>Geometric Computing (6.850)</i> , <i>Advanced Algorithms (6.854)</i> , <i>Sketching, Streaming and Sub-linear Space Algorithms (6.895)</i> , <i>Randomized Algorithms (6.856)</i> University of Bucharest, Faculty of Mathematics 2003 – 2004 “Tudor Vianu” National College 1999 – 2003
Work	VMware (internship) Summer 2008
Experience	Summer internship. Manager: Arturo Fagundo MIT Fall 2007 - Spring 2008 Part-time research work related to Compressive Sensing. Supervisor: Prof. Piotr Indyk Google (internship) Summer 2007 Summer internship. Host: Mihai Stroe MIT Spring 2006 - Fall 2007 Part-time 3D graphics programming for StarLogo TNG, a tool enabling young students to create and understand simulations of complex systems, with a visual programming language and a 3D world. Supervisor: Prof. Eric Klopfer Google (internship) Summer 2006 Summer internship. Host: Mihai Stroe IPDevel, Bucharest, Romania - software development 2004 Position: Software Developer (fulltime). Developed embedded C++ software for smartcard banking on MPOS terminals. Library received EMV 4.0 Level 2 Type Approval in Fresnes, France Romanian Ministry of Education 2004 Member of the Romanian Informatics Olympiad and National Team Selection Scientific Committees, created 7 problems (senior level), Buzău, Orăștie, Alba, April-July 2004
Publications	“Space-optimal Heavy Hitters with Strong Error Bounds” (with Graham Cormode, Piotr Indyk, Martin Straus), <i>ACM Symposium on Principles of Database Systems</i> , 2009 “Combining Geometry and Combinatorics: A unified Approach to Sparse Signal Recovery” (with Anna Gilbert, Piotr Indyk, Howard Karloff, Martin Straus), <i>Allerton</i> , 2008 “Practical Near-Optimal Sparse Recovery in the L1 Norm” (with Piotr Indyk, Milan Ružić), <i>Allerton</i> , 2008 “Sparse Recovery Using Sparse Random Matrices” (with Piotr Indyk), MIT technical report, 2008 “Problems from International Olympiads of Informatics” (Book, In Romanian, with Dan Ghinea, Horia Ciochina, Cornel Margine), <i>Editura Fundatiei Pro</i> , 2003.
Awards	24 th place, <i>Google Code Jam</i> 2005 Semi-finalist, <i>TopCoder Open</i> 2005 19 th place, <i>Google Code Jam</i> 2004 Gold Medal, <i>The 15th International Olympiad of Informatics, Wisconsin, USA</i> 2003 Silver Medal, <i>The 10th Central European Olympiad of Informatics, Münster, Germany</i> 2003 Gold Medal, <i>The 14th International Olympiad of Informatics, Yong-In, Korea</i> 2002 Gold Medal, <i>The 12th Balkan Olympiad of Informatics, Belgrade, Serbia</i> 2002 1 st Place, <i>Tuymaada International Olympiad, Informatics section, Yakutsk, Russia</i> 2001 1 st Place, <i>Romanian National Olympiads of Informatics</i> 2001, 2002, 2003 1 st Prize (3 rd place) <i>Romanian National Olympiad of Informatics</i> 2000