

# ALP ATICI

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## EDUCATION:

October 2006	<b>Ph. D. in Mathematics</b> Thesis Title:	Columbia University, New York. GPA: 4.00 Advances in Quantum Computational Learning Theory.
February 2005	<b>M. Phil. in Mathematics</b>	Columbia University, New York. GPA: 4.00
October 2001	<b>M. Arts in Mathematics</b>	Columbia University, New York. GPA: 4.00
June 2000	<b>B. Sc. in Computer Engineering</b>	Middle East Technical University, Turkey. GPA: 3.94, Rank: 1/100.
June 2000	<b>B. Sc. in Mathematics</b>	Middle East Technical University, Turkey. GPA: 3.92, Rank: 1/120.

## EXPERIENCE:

- August 2006 – present      Employed as a quantitative researcher in the High Frequency / Algorithmic Trading team of Citadel Investment Group, L.L.C.
- December 2002 – July 2006      Research towards the Ph. D. thesis in theoretical computer science.  
Main area of research:      Theory of computation with emphasis on computational learning theory and quantum computation.
- September 2000 – December 2002      Graduate research experience in number theory with Shou-Wu Zhang.
- During the summers of 1998 and 1999, I have had the unique opportunity to serve as a member of the organizing committees of the 6<sup>th</sup> Balkan and 11<sup>th</sup> International Olympiad in Informatics. URL: <http://www.ioi99.org.tr>
  - I have ten semesters of teaching experience in Columbia University and have served as the coordinator of Mathematica recitations as well as the administrator of the automated WeBWorK system for two years.

## PUBLICATIONS AND PREPRINTS:

- Learning Unions of  $\omega(1)$ -Dimensional Rectangles by Alp Atıcı and Rocco A. Servedio. Recipient of the E. M. Gold award from Conference on Algorithmic Learning Theory 2006 for best student contribution. Published in the journal of Theoretical Computer Science, Vol. 405, No. 3.
- Quantum Algorithms for Learning and Testing Juntas by Alp Atıcı and Rocco A. Servedio. Published in the journal of Quantum Information Processing, Vol. 6, No. 5.
- Improved Bounds on Quantum Learning Algorithms by Alp Atıcı and Rocco A. Servedio. Published in the journal of Quantum Information Processing, Vol. 4 No. 5.

## ACHIEVEMENTS AND AWARDS:

- Fall 2000 – Summer 2006      Columbia University Graduate School of Arts and Sciences Fellowship (full tuition and stipend).
- June 2000      M.E.T.U. Dept. of Computer Science highest honor conferred in recognition of ranking the 1<sup>st</sup> in a graduating class of 100.
- June 2000      M.E.T.U. “Double Major Award” conferred in recognition of successful concurrent completion of full requirements of two undergraduate degree programs: Computer Science and Mathematics.
- December 1999      Placed at the top 99<sup>th</sup> percentile in all GRE areas: Mathematics Subject Test: 990/990, General test: Quantitative: 800/800, Verbal: 750/800, Analytical: 800/800.
- Fall 1996 – Spring 2000      M.E.T.U. Dept. of Computer Science “The most successful undergraduate student of the year”.
- Fall 1996 – Spring 2000      M.E.T.U. Dean’s list of highest honor.
- Fall 1996 – Spring 2000      M.E.T.U. Fellowship of Extraordinary Promise (full tuition and some stipend).
- March 1996      Recognized as the 18<sup>th</sup> highest applicant by score in nationwide university aptitude exam (OSS) over more than a million candidates.
- Summer 1995      Competing member of the Turkish team in International Olympiad in Informatics.

## SPECIAL SKILLS:

- Computer Skills:      Broad knowledge of a variety of operating systems and programming languages. Extensive C programming experience on multiple UNIX flavors including Solaris, BSD, Linux and Digital UNIX. Experienced in programming languages of all paradigms: C, C++, Pascal, LISP, ML, Haskell, Prolog. Also conversant with various other computer tools such as: R, python, Mathematica, L<sup>A</sup>T<sub>E</sub>X, Microsoft Excel and Word.
- Language Skills:      English and Turkish (fluent). German and Classical Latin (basic).