ERW

Ph.D student
Department of Computer Science
Princeton University

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Education

2008~present : Ph.D, Princeton University

Major	:	Theoretical computer science
Advisor	:	Moses Charikar (moses@cs.princeton.edu)
Interest	:	design and analysis of approximation algorithms for computationally hard problems
Courses and grades	:	Advanced Algorithm Design, A
		Computational Complexity, A
		Operating Systems, A
		Advanced topics in Theoretical Computer Science, AUD

2004~2008 : Bachelor's degree, Tsinghua University

Major	:	Department of computer science and technology
Accumulated GPA	:	90/100

Publications

- A 1.488 approximation algorithm for uncapacitated facility location problem, ICALP 2011, the best student paper

- Vertex Sparsifiers and Abstract Rounding Algorithms, joint work with Moses Charikar, Tom Leighton and Ankur Moitra, FOCS 2010

- Capacity of Large Scale Wireless Networks under Gaussian Channel Model, Mobicom 2008

Papers in progress

- A dependent LP-rounding approach for the k-median problem, joint work with Moses Charikar

- A near-linear time constant factor approximation for the earth mover distance over doubling metrics

Awards

- 16th International Olympiad in Informatics Gold Medal Winner

- 20th National Olympiad in Informatics Gold Medal Winner

- 1st place in 30th ACM/ICPC Regional Asia, Chengdu

- 6th place in 30th ACM/ICPC Regional Asia, Beijing

- 19th place in 30th ACM/ICPC Final

- 1st place in 11th Tsinghua University Artificial Intelligence

- National award in 2006

- National award in 2005

- Freshmen award in 2004

Activities

- 2011 Summer : Internship in Toyota Technological Institution at Chicago