

NIKHIL SRIVASTAVA

CONTACT INFORMATION	51 Prospect Street Yale University New Haven, CT 06511, USA	<i>phone:</i> +1-203-435-8538 <i>e-mail:</i> nikhil.srivastava@yale.edu <i>url:</i> cs.yale.edu/homes/srivastava	
EDUCATION	Yale University , New Haven, CT. Ph.D. student in Computer Science. Advisor: Daniel Spielman.		<i>Aug '05 -</i>
	Yale University , New Haven, CT. M.S., Computer Science.		<i>Dec '06</i>
	Union College , Schenectady, NY. B.S., <i>summa cum laude</i> , Mathematics and Computer Science. Minor in English. Phi Beta Kappa ('04), Sigma Xi, Resch Prize in Mathematics, Williams Prize in Computer Science, Hale Prize in English ('04).		<i>Jun '05</i>
RESEARCH & TEACHING EXPERIENCE	Microsoft Research , Mountain View, CA. <i>Research Intern, Theory Group</i> Advisor: Rina Panigrahy. Worked on lower bounds for nearest neighbor search and purely additive graph spanners.		<i>Jun–Aug '08</i>
	Microsoft Research , Bangalore, India. <i>Research Intern, Algorithms Group</i> Advisor: Ravi Kannan. Worked on various problems in spectral graph theory.		<i>Jul–Sep '08</i>
	Yale University , New Haven, CT. <i>Teaching Fellow</i> CPSC 468/568, Complexity Theory. CPSC 201, Introduction to Computer Science.		<i>Spring '07</i> <i>Fall '06</i>
	Union College , Schenectady, NY. <i>Research Assistant</i> Primality testing (Schiff Fellowship). Algorithms for plurality (Union College Fellowship). Integration of heterogeneous databases (NSF-AIRE Fellowship).		<i>Summer '04</i> <i>Summer '03</i> <i>Summer '02</i>
	Union College , Schenectady, NY. <i>Tutor</i> Tutored students in mathematics, physics, computer science, and writing.		<i>Oct '02 - May '05</i>
PAPERS	“On Contact Points of Convex Bodies.” Nikhil Srivastava.		<i>In Preparation</i>
	“An Elementary Proof of the Restricted Invertibility Theorem.” Daniel Spielman and Nikhil Srivastava.		<i>Manuscript</i>
	“Twice-Ramanujan Sparsifiers.” Joshua Batson, Daniel Spielman, and Nikhil Srivastava. Invited to SICOMP.		<i>STOC 2009</i>
	“Graph Sparsification by Effective Resistances.” Daniel Spielman and Nikhil Srivastava. Invited to SICOMP special issue.		<i>STOC 2008</i>
	“Learning and Verifying Graphs Using Queries with a Focus on Edge Counting.” Lev Reyzin and Nikhil Srivastava.		<i>ALT 2007</i>
	“On the Longest Path Algorithm for Reconstructing Trees from Distance Matrices.” Lev Reyzin and Nikhil Srivastava.		<i>IPL 101 (2007)</i>
	“Tight Bounds on Plurality.” Nikhil Srivastava and Alan Taylor. (\therefore Erdős number = 2.)		<i>IPL 96 (2005)</i>

INVITED TALKS

“Twice-Ramanujan Sparsifiers.”

Algorithms and Complexity Seminar, MIT, Cambridge, MA.

Oct '09

IP for Lunch, IBM TJ Watson Research Center, Yorktown Heights, NY.

Oct '09

CS/Discrete Math Seminar, Institute for Advanced Study, Princeton, NJ.

Sept '09

Theory Seminar, Courant Institute, New York University, NY.

Oct '08

“Graph Sparsification by Effective Resistances.”

CSA Seminar, Indian Institute of Science, Bangalore, India.

Aug '08

MMDS 2008, Stanford University, CA.

Jun '08

SIAM Conference on Discrete Mathematics, Burlington, VT.

Jun '08

Theory Lunch, Princeton University, NJ.

Apr '08

OTHER

Citizenship. Indian.

Hobbies. Table tennis (varsity in high school), snowboarding, running, squash.