arjun narayan

contact

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programming

Fluent: C, OCaml, Java
Comfortable: Python, R
Familiar: C++

education

2010-15	**University of Pennsylvania**	Ph.D. in Computer Science
	Area: Privacy, Distributed Systems, Security	
	Advisor: Andreas Haeberlen	
2010-13	**University of Pennsylvania**	Master of Science in Engineering
	Computer Science	
2006-10	**Williams College**	Bachelor of Arts
	Computer Science, Economics	
2008-09	**University of Cambridge**	Tripos Part II (as a year of study abroad)
	Computer Science	

professional experience

Summer 13	**Microsoft Research**	Research Intern
	Worked on building databases with provable guarantees	
Summer 08	**ITA Software**	Summer Intern, Engineering
	Acquired by Google, 2010	
Summer 07	**Kane Capital Management**	Summer Associate
	Quantitative equity hedge fund, closed 2010	

academic experience

2010-12	**Qualifying Exams**	University of Pennsylvania
	Distributed Systems, Algorithms, Architecture, Machine Learning	
2010-12	**Graduate Seminars**	University of Pennsylvania
	Differential Privacy, Advanced Algorithms, No Regrets in Game Theory,	
	Cryptography, Bayesian Methods and Computation	
2011-12	**Teaching Assistant**	University of Pennsylvania
	Scalable Cloud Computing (undergrad), Internet and Web Systems (grad)	
Summer 09	**Center for the Study of Complex Systems**	University of Michigan
	Research on modeling urban housing segregation	

academic publications

2013	**Linear Dependent Types for Differential Privacy**	POPL
	M. Gaboardi, A. Haeberlen, J. Hsu, A. Narayan, B. Pierce	
2012	**DJoin: Differentially Private Join Queries over Distributed Databases**	OSDI
	Arjun Narayan, Andreas Haeberlen	
2011	**Secure Network Provenance**	SOSP
	W. Zhou, Q. Fei, A. Narayan, A. Haeberlen, B. Loo, M. Sherr	
2011	**Differential Privacy Under Fire**	USENIX Security
	Andreas Haeberlen, Benjamin Pierce, Arjun Narayan	

awards

2012	**Yahoo Key Scientific Challenges**	$5000 prize
	Privacy & Security	
2013	**Facebook Graduate Fellowship Finalist**	