

Matthew Joseph

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Research Interests	Primary: Algorithms and Theory Secondary: Machine learning, fairness and privacy	
Education	University of Pennsylvania Ph.D. Student in Computer and Information Sciences Advised by Aaron Roth.	Fall 2015 - Present
	University of Chicago B.S. in Mathematics with Honors and General Honors B.A. in Statistics Mentored by Risi Kondor.	Fall 2010 - Spring 2014
Papers	Meritocratically Fair Algorithms for Infinite and Contextual Bandits With Michael Kearns, Jamie Morgenstern, Seth Neel, and Aaron Roth. Poster at FATML 2017.	FATML 2017
	Fairness in Reinforcement Learning With Shahin Jabbari, Michael Kearns, Jamie Morgenstern, and Aaron Roth. Poster at FATML 2016, RLDM 2017, ICML 2017. Talk at ICML 2017.	ICML 2017
	Fairness in Learning: Classic and Contextual Bandits With Michael Kearns, Jamie Morgenstern, and Aaron Roth. Poster at NIPS 2016.	NIPS 2016
Teaching Experience	Teaching Assistant – Algorithmic Game Theory (UPenn) – Automata, Computability, and Complexity (UPenn) – Abstract Algebra (UChicago) – Calculus (UChicago)	Spring 2017 Fall 2016 Autumn 2013 - Spring 2014 Autumn 2012 - Spring 2013
	Counselor – UChicago Young Scholars Program, 9th-10th	Summer 2014
	Tutor – UChicago Academic Achievement Program – Washington Park Youth Program	Summer 2013 - Spring 2014 Winter 2012 - Summer 2013
Work	Epic , Business Intelligence Developer Food Genius , Consulting Data Analyst	Fall 2014 - Spring 2015 Summer 2013
Awards and Fellowships	NSF GRFP Honorable Mention UChicago University Scholarship UChicago National Merit Scholarship UChicago College Dean's List	Spring 2017 Fall 2010 - Spring 2014 Fall 2010 - Spring 2014 Fall 2010 - Spring 2014