

Education	<b>Ph.D. in Computer Science</b>	Columbia University Fall 2014 - present
	Coadvised by Daniel Hsu and Allison Bishop	
	<b>M.A. in Mathematics</b> (joint degree)	University of Pennsylvania Fall 2012 - Spring 2014
Experience	Advised by Sanjeev Khanna. Thesis: Fast Circuit Satisfiability	
	<b>B.S. in Computer Science and Mathematics</b>	University of Pennsylvania Fall 2010 - Spring 2014
Papers	<b>Data science intern</b>	Button May 2017 - August 2017
	<i>New York City</i>	
	Researched and implemented models for adaptive anomaly detection in Python.	
	<b>Visiting graduate student</b>	Simons Institute for the Theory of Computing
	<i>Berkeley, CA</i>	January 2017 - April 2017
	Program on Foundations of Machine Learning	
Teaching	<b>Computer vision intern</b>	Lily Robotics June 2014 - Aug 2014
	<i>Boston, MA</i>	
	Researched and implemented a vision-based people tracking system in C++ and OpenCV for use on a quadrotor platform. Used techniques from multiscale object detection, on-line machine learning, and sensor fusion	
	<b>Research intern</b>	MIT Lincoln Laboratory May 2013 - August 2013
	<i>Lexington, MA</i>	
	Designed feature extraction algorithms for time series obtained from radar. Classification accuracy using this improved upon current statistical methods. Gave group presentation and wrote internal paper	
Awards	<b>Correspondence retrieval</b>	Alexandr Andoni, Daniel Hsu, Kevin Shi, Xiaorui Sun <i>In Conference on Learning Theory (COLT) 2017</i>
	<b>Linear regression without correspondence</b>	Daniel Hsu, Kevin Shi, Xiaorui Sun <i>Submitted to Neural Information Processing Systems (NIPS) 2017</i>
	<b>Optimal neural tuning for arbitrary stimulus priors</b>	Jimmy Wang, Kevin Shi, Alan Stocker, Daniel Lee <i>In Computational and Systems Neuroscience (COSYNE) 2012</i>
Awards	Teaching Assistant - Columbia University	
	• COMS 4444 - Programming and Problem Solving - Fall 2016	
	• COMS 4772 - Advanced Machine Learning - Spring 2016	
Awards	• COMS 6998 - Algorithms for Massive Data - Fall 2015	
	Teaching Assistant - University of Pennsylvania	
	• CIS 320 - Algorithms - Spring 2013	
	• CIS 262 - Theory of Computation - Fall 2012	
Awards	SAP Code Slam Finals - 1st Place - October 2012	
	<i>Worldwide online programming competition with a \$5k scholarship</i>	
	Putnam Top 500 - December 2012	

PennApps Top 20 - Fall 2013 and Fall 2014

TripAdvisor Programming Challenge - 2nd place at Columbia University - Fall 2016

**Service**

External reviewer for STOC 2016, JMLR 2016

PhD coffee hour organizer for Columbia Computer Science Department, 2016

Chair of Penn Undergraduate Math Society, Fall 2012 - Spring 2014

**Skills**

Python, Matlab, Java, C++, OpenCV