Contact Information	University of Wisconsin-Madison 1300 University Ave Madison, WI 53706, USA	<i>Phone:</i> +1-608-556-086 <i>E-mail:</i> qin@stat.wisc. <i>WWW:</i> www.stat.wise	<i>Phone:</i> +1-608-556-0862 <i>E-mail:</i> qin@stat.wisc.edu <i>WWW:</i> www.stat.wisc.edu/~qin	
EDUCATION	University of Wisconsin-Madison, Madison, W	Л		
	 Ph.D in Statistics, GPA: 4.0/4.0, Advisor: Professor Grace Wahba and Professor Karl Rohe 		Sep 2010 - May 2015	
	• M.S. in Computer Science, GPA: 3.9/4.0,		Sep 2011 - Dec 2013	
	University of Science and Technology of China, Hefei, China			
	• B.S. in Statistics, GPA: 3.95/4.0 (ranked 2/12)	5)	Sep 2006 to June 2010	
	• Honors Program of Special Class for the Gift	ed Young.		
Experience	Data Scientist Intern, @WalmartLabs		May - Aug 2013	
	 Researched and implemented spectral co-clustering algorithm that simultaneously de- tects clusters of visitors as well as clusters of items based on purchasing pattern. 			
	 Developed personalized algorithm that improves item recommendation module on wal- mart.com landing page. Algorithm outperformed current baseline method by 10%. 			
	 Developed machine learning algorithms that predict gender with unlabeled data. 			
	 Implemented production code that automatically fetches weather data for different zip codes online and populates a Hive table on a daily basis. 			
	• Research Assistant, University of Wisconsin My research focuses on network modeling an	-Madison nd clustering:	Sep 2010 - Present	
	 Improved Spectral Clustering Algorithm by artificially inflating node degree by a small amount. Studied its statistical estimation performance under Degree-Corrected Stochas- tic Blockmodel. 			
	 Studied Regularized Maximum Likelihood Estimator for community detection. Applied and tested varies clustering algorithms on Facebook ego networks, Youtube social network, and political blog networks. 			
	Kaggle Modeling Competition: U.S. Census Return Rate Challenge			
	 Applied Random Forest, CART regression tree and Gradient Boosting to predict census mail return rate. Ranked top 10% in the competition. 			
Publications	• Tai Qin, Karl Rohe. Regularized Spectral Clustering under the Degree-Corrected Stochastic Blockmodel, Advances in Neural Information Processing Systems. 2013			
	• Karl Rohe, Tai Qin , Haoyang Fan. The Highest Dimensional Stochastic Blockmodel with a Regularized Estimator, <i>Statistica Sinica</i> . 2013			
	• Karl Rohe, Tai Qin . The Blessing of Transitivity in Sparse and Stochastic Networks, <i>technical report</i> . 2013			
TECHNICAL SKILLS	 Languages: R, Matlab, Python, Java, C, Hive Miscellaneous: Latex, Mathematica Relevant Coursework: Artificial Intelligence mization, Algorithm, Regression Models, Sta Analysis, Mathematical Statistics 	ges: R, Matlab, Python, Java, C, Hive, MySQL, Pig aneous: Latex, Mathematica at Coursework: Artificial Intelligence, Advanced Machine Learning, Nonlinear Opti- a, Algorithm, Regression Models, Statistical Consulting, Decision Tree, Multivariate s, Mathematical Statistics		
Awards	 Meritorious Prize in The Mathematical Conte Outstanding Prize in Statistical Modeling Co China National Scholarship USTC Outstanding Student Scholarship (First 	est in Modeling(MCM) mpetition of USTC tt Class)	2010 2008 2008 & 2009 2007 & 2009	