Quan Zhang

| CONTACT INFORMATION | 2110 Speedway, IROM Department
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EDUCATION

University of Texas at Austin, Austin, TX

PhD student, Information, Risk and Operation Management, McCombs School of Business, August 2015 – Present

University of Minnesota, Twin Cities, Minneapolis, MN

Master of Science (Ph.D. study), Biostatistics, May 2015
- Thesis: *Design and analysis of crossover clinical trials using Bayesian methods*
- Advisor: Bradley P. Carlin, Ph.D

Peking University, Beijing, China

Bachelor of Science and Economics, Biological Sciences and Economics (Double Major), July 2012

- Thesis: *Organelles Distance from a Pathway Perspective*
- Advisor: Hong Qu, Ph.D

RESEARCH EXPERIENCE

Research Assistant September 2015 – present
McCombs School of Business, University of Texas at Austin
Supervisor: Mingyuan Zhou, Ph.D
- Statistical machine learning, deep learning, classification, variational Bayes methods

Research Assistant September 2013 – August 2014
Division of Biostatistics, University of Minnesota
Supervisor: Bradley P. Carlin, Ph.D
- Design and analysis of crossover clinical trials using Bayesian methods

Research Assistant September 2012 – May 2013
Division of Biostatistics, University of Minnesota
Supervisor: Cavan S. Reilly, Ph.D
- Bayesian big data analysis of HIV gene expression

REFEREED JOURNAL PUBLICATIONS

1. **Zhang, Q.**, Toubouti, Y., and Carlin, B.P. "Design and analysis of Bayesian adaptive crossover trials for evaluating contact lens safety and efficacy" 2015. *Statistical Methods in Medical Research*, 0962280215572272.

WORKING PAPERS

1. **Zhang, Q.** and Zhou, M. "Permuted and Augmented Stick-Breaking Bayesian Multinomial Regression" 2017. Submitted.

2. **Zhang, Q.** and Zhou, M. "Bayesian Nonparametric Multinomial Classification via Data Augmentation".

3. **Zhang, Q.** and Zhou, M. "Discrete Choice Models with Threshold Utilities: Making Multinomial Classification Easy".

AWARDS	School of Public Health Dean's Scholarship, University of Minnesota, September 2012
	All-round Excellent Student for academic year 2010-2011, Peking University, November 2011
	Sumitomo Corporation Scholarship for academic year 2009-2010, Peking University, November 2010
	All-round Excellent Student for academic year 2008-2009, Peking University, November 2009
	Second Prize in 2007 China National High School Mathematics Competition, October 2007
	First Prize in 2007 China National High School Chemistry Competition, October 2007

PRESENTATIONS Statistical Meetings
- Joint Statistical Meetings, Boston, MA   August 2014

COMPUTING SKILLS R, C++, Rcpp, MATLAB, SAS, Linux

INTERNSHIP EXPERIENCE

Consultant   May 2015– August 2015
in4mation insights, LLC., Needham, MA
- Sales prediction using online search data
- Engine oil promotion

Statistician   June 2013 – August 2013
Johnson & Johnson Vision Care, Inc., Jacksonville, FL
- Sample size estimation for crossover clinical trial

Consultant   January 2012 – February 2012
Roland Berger Strategy Consultants, Beijing, China
- *Mobile Bank Development in China*, sponsored by World Bank International Finance Corporation

SAS programmer   July 2011 – September 2011
Peking University Clinical Research Institute, Beijing, China
- New drug application sponsored by Reckitt Benckiser Healthcare Ltd., U.K.

EXTRA-CURRICULAR ACTIVITIES

President of Peking University Folk Art Association	February 2011 – January 2012
Member of Peking University Folk Art Association	September 2008 – July 2012

REFERENCES Available upon request