Michael M. Zhang
Curriculum Vitae

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Education

2018 **Ph.D. Statistics**. The University of Texas at Austin.
Advisor: Sinead Williamson.

2016 **M.S. Statistics**. The University of Texas at Austin.
Advisor: Sinead Williamson.

2013 **B.S. Statistics** (Honors); **B.A. Political Science** (Honors and Distinction in Major); **Minor in Russian**. University of California, Santa Barbara.
Advisor: Cynthia Kaplan.

Publications and Pre-prints

Z. I. Phillips, **M. M. Zhang**, and L. Reding. A colony intruder finds refuge from worker aggression on the ant queen. 2018. In review.

B. Saparbayeva, **M. M. Zhang**, and L. Lin. Communication efficient parallel algorithms for optimization on manifolds. 2018. In review.

M. M. Zhang, H. Lam, and L. Lin. Robust and parallel Bayesian model selection. *Computational Statistics and Data Analysis*, 2018. To appear.

F. Pérez-Cruz, P. M. Olmos, **M. M. Zhang**, and H. Huang. Probabilistic time of arrival localization for cellular networks. 2017. In review.

Z. I. Phillips, **M. M. Zhang**, and U. G. Müller. Dispersal of *Attaphila fungicola* (Blattodea: Ectobiidae), a symbiotic cockroach of leafcutter ants (Hymenoptera: Formicidae). *Insectes Sociaux*, 2017.

M. M. Zhang and F. Pérez-Cruz. Accelerated inference for latent variable models. 2017. arXiv:1705.07178. In review.

M. M. Zhang, D. E. Schiavazzi, and L. Lin. Parallel MCMC recombination for big data analysis. 2017. Working paper.

M. M. Zhang and S. A. Williamson. Embarrassingly parallel inference for Gaussian processes. 2017. arXiv:1702.08420. In review.

M. M. Zhang, A. Dubey, and S. A. Williamson. Distributed inference in Bayesian nonparametric models. 2016. Working paper.

S. A. Williamson, **M. M. Zhang**, and P. Damien. A new class of time-dependent latent factor models with applications. 2016. In review.

M. M. Zhang, A. Dubey, and S. A. Williamson. Parallel Markov chain Monte Carlo for the Indian buffet process. 2015. "Bayesian Nonparametrics: The Next Generation" workshop paper at the Twenty-ninth Annual Conference on Neural Information Processing Systems.

Presentations and Posters

Apr. 2018	**Parallel MCMC Recombination for Big Data Analysis**. Invited talk at Department of Applied and Computational Mathematics and Statistics, Notre Dame University.
Oct. 2017, Jun. 2017	**Embarrassingly Parallel Inference for Gaussian Processes**. Presentation at Department of Statistics and Data Sciences Seminar Series, UT Austin; Contributed talk at 11th Conference on Bayesian Nonparametrics, ISBA.
Aug. 2016	**Robust and Parallel Bayesian Model Selection**. Poster at Boston University/Keio University Workshop in Probability and Statistics.
Dec. 2015	**Parallel Markov Chain Monte Carlo for the Indian Buffet Process**. Contributed talk and poster at "Bayesian Nonparametrics: The Next Generation" workshop at NIPS.

Professional Experience

2016	**Summer Research Intern**. Wireless Research for the Internet of Things, Nokia Bell Labs. *Supervisors: Fernando Pérez-Cruz, Howard Huang.*
2013–14	**Analyst**. Rule14 LLC.

Honors and Awards

2015, 2017	**Professional Development Award**. UT Austin Department of Statistics and Data Science.
2017	**Travel Award**. The 11th Conference on Bayesian Nonparametrics, ISBA.
2015	**Bonus Fellowship for Continuing Students**. The Graduate School at UT Austin.
2012	**Undergraduate Research and Creative Activities Grant**. UCSB College of Letters and Science.

Academic Service

2018	**Reviewer**, NIPS, UAI, ICML.
2017	**Reviewer**, NIPS.
2016	**Reviewer**, Bayesian Non-Parametrics NIPS Workshop.

Personal Information and Skills

Technical	Python, Matlab, R.
Citizenship	United States.