

Michael M. Zhang

Curriculum Vitae

Department of Statistics and Data Sciences
The University of Texas at Austin
1 University Station G2550
Austin, TX 78712

Last updated: May 3, 2018
michael_zhang@utexas.edu
[michaelzhang01.github.io](https://github.com/michaelzhang01)

Education

- | | |
|------|--|
| 2018 | Ph.D. Statistics. The University of Texas at Austin.
<i>Advisor: Sinead Williamson.</i> |
| 2016 | M.S. Statistics. The University of Texas at Austin.
<i>Advisor: Sinead Williamson.</i> |
| 2013 | B.S. Statistics (Honors); B.A. Political Science (Honors and Distinction in Major); Minor in Russian. University of California, Santa Barbara.
<i>Advisor: Cynthia Kaplan.</i> |

Publications and Pre-prints

- 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.
- M. M. Zhang**, H. Lam, and L. Lin. Robust and parallel Bayesian model selection. 2016. arXiv:1610.06194. In review.
- 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. <i>Supervisors: Fernando Pérez-Cruz, Howard Huang.</i>
2013–14	Data Scientist. 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.

Personal Information and Skills

Technical	Python, Matlab, R.
Service	Reviewer, UAI 2018; Reviewer, ICML 2018; Reviewer, NIPS 2017; Reviewer, Bayesian Non-Parametrics NIPS Workshop 2016.
Citizenship	United States.