MINGZHANG YIN

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EDUCATION

The University of Texas at Austin, Ph.D. Candidate in Statistics *May 2020*

· **Supervisor**: Dr. Mingyuan Zhou Cumulative GPA: 3.98/4.00

· **Reasearch Interest**: Approximate Bayesian Inference, Bayesian Deep Learning, Statistical Learning Theory, Information Theory, Reinforcement Learning

Fudan University, Bachelor of Science *June 2015*
Mathematics and Applied Mathematics Major GPA: 3.58/4.00

North Carolina State University, Statistics *January 2014*
Exchange student,UNC Exchange Program Cumulative GPA: 4.00/4.00

PUBLICATION

1. **Yin, M**, Yue, Y and Zhou, M. "ARSM: Augment-REINFORCE-Swap-Merge Estimator for Gradient Backpropagation Through Categorical Variables." Accepted by **International Conference on Machine Learning (ICML) 2019.**
2. **Yin, M** and Zhou, M. "Semi-implicit Variational Inference." Accepted by **International Conference on Machine Learning (ICML) 2018.**
3. **Yin, M** and Zhou, M. "ARM: Augment-REINFORCE-Merge Gradient for Stochastic Binary Networks." Accepted by **International Conference on Learning Representations (ICLR) 2019.**
4. Yan, B, **Yin, M** and Sarkar, P. "Convergence of Gradient EM for Multi-component Gaussian Mixture." Accepted by **Conference on Neural Information Processing Systems (NIPS) 2017.**
5. **Yin, M** and Zhou, M. "Semi-implicit Generative Model." **Appear on NeurIPS Bayesian Deep Learning Workshop, 2018.**
6. Tang, Y, **Yin, M** and Zhou, M. "Augment-Reinforce-Merge Policy Gradient for Binary Stochastic Policy." **arXiv, 2019.**

PROFESSIONAL EXPERIENCES

Conference reviewing: NIPS 2017, 2018, 2019; ICML 2019; ICLR 2018; AISTATS 2018; AAAI 2018; UAI 2019; ACML 2018
Member of American Statistical Association (ASA) 2015-2019
Poster presentation at Neural Information Processing Systems Conference 2017,2018
Long talk at International Conference on Machine Learning 2018

HONORS AND AWARDS

The Graduate Continuing Bruton Fellowship 2018
Travel Award (NIPS, ICML, ICLR) 2017- 2019
Best Intern Prize, Hewlett Packard Enterprise July 2016
Leo Tang Hsiang-chien Scholarship April 2013
National 1st Prize in China Mathematics Competition in Modeling October 2013
1st Prize in Eastern China Mathematical Modeling Competition July 2013

INTERNSHIP

Research Intern, Google Brain May 2019-August 2019

· **Research Intern, Quantlab Financial, LLC** June 2017-August 2017

· Build passiave trading strategy model and passed the phase one test.

Data Science Intern, Hewlett Packard Enterprise, Big Data Platform June 2016-August 2016

· Build survival analysis model to predict the close date of sales pipeline.

· Ensemble logistic regression, KNN and LDA to predict sales closing state.

· Apply Topological data analysis to track, predict and classify web click streams. Patent Application #710224784.

Research Intern at China Academy of Science, Computational Biology 2014-2015

· Building epithelial mesenchymal transition(EMT) type 2 map in CellDesigner with Dr.Christine Nardini

SKILLS

Language	Native in Chinese; Fluent in English
Computer Languages	Fluent in Python, Matlab, R, C++, LaTeX
Tools	Tensorflow, Pytorch, Parallel computing