XINJIE FAN

The University of Texas at Austin⋄ Austin, TX, USA

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Education

The University of Texas at Austin, Austin, Texas, USA
Ph.D. in Statistics supervised by Dr. Mingyuan Zhou, *2017–2022(expected)* .

- Research interests: reinforcement learning, deep generative models, sequence models, attention models, Bayesian models, clustering.

Texas A&M University, College Station, Texas, USA
Master of Mathematics(fast track program), GPA:4.0, *2015-2017.*
Beihang University, Beijing, the People's Republic of China
Bachelor of Mathematics(Hua Loo-keng Class), Major GPA: 95/100 (ranking:1/38), *2012-2015*

Work Experience

Visual question answering *Google AI*
Host: Nan Ding, Beer Changpinyo *2019, summer*

- We work on improving state-of-the-art attention-based visual question answering models, including designing better attention mechanism, using better image features, and using better loss function.

Computer vision on mobile devices *Google AI*
Host: Andrey Zhmoginov, Mark Sandler *2018, summer*

- We work on improving MobileNetV2, a small, low-latency, low-power model parameterized to meet the resource constraints of a variety of mobile device use cases.

Papers

- Xinjie Fan, Shujian Zhang, Mingyuan Zhou. Reconfigurable Bayesian Neural Network, *in submission to ICML 2020.*
- Xinjie Fan, Yuguang Yue, Purnamrita Sarkar, Y.X. Rachel Wang. A unified framework for tuning hyperparameters in clustering problems, *in submission to ICML 2020.*
- Nan Ding, Xinjie Fan, Zhenzhong Lan, Dale Schuurmans, Radu Soricut. Doubly Normalized Attention, *in submission to ACL 2020.*
- Xinjie Fan, Yizhe Zhang, Zhendong Wang, Mingyuan Zhou. Adaptive Correlated Monte Carlo for Contextual Categorical Sequence Generation, *accepted by ICLR 2020.*
- Xianglong Liu, Xinjie Fan, Cheng Deng, Zhujin Li, Hao Su, Dacheng Tao. Multilinear Hyperplane Hashing, *accepted by IEEE CVPR* 2016.

Honors & Awards

- Dr. Walter E. Koss Endowed Fellowship in Mathematics(Texas A&M University)
- Outstanding Graduates (Beihang University)
- National Scholarship (Ministry of Education, China)

Programming Skills

Programming Languages Python(Pytorch, TensorFlow), MATLAB, R, C, Fortran, Mathematica