JACKY YIBO ZHANG

Siebel Center for Computer Science, Urbana, IL 61801, USA

yiboz@illinois.edu https://yiboz.me

EDUCATION

University of Illinois at Urbana-Champaign *2019 - present*
PhD Student in Computer Science
Advisor: Sanmi Koyejo
Department of Computer Science

University of Science and Technology of China *2015 - 2019*
B.E. in Computer Science
Advisor: Chao Qian
Department of Computer Science and Technology

RESEARCH INTERESTS

Machine Learning: Machine Learning: broadly in understanding and designing machine learning algorithms, especially from a fundamental perspective.
Optimization: non-convex optimization, combinatorial optimization, stochastic optimization, submodular optimization.
Algorithms: approximation algorithms, heuristic algorithms.

PUBLICATIONS

* indicates equal contribution.

[1] Jacky Y. Zhang, Rajiv Khanna, Anastasios Kyrillidis, and Oluwasanmi Koyejo. **Bayesian Coresets: Revisiting the Nonconvex Optimization Perspective**.
International Conference on Artificial Intelligence and Statistics (AISTATS), 2021. (Oral)

[2] Maohao Shen, Jacky Y. Zhang, Leihao Chen, Weiman Yan, Neel Jani, Brad Sutton, and Oluwasanmi Koyejo. **Labeling Cost-Sensitive Batch Active Learning for Brain Tumor Segmentation**.
International Symposium on Biomedical Imaging (ISBI), 2021.

[3] Xiaoyang Wang, Bo Li, Yibo Zhang, Bhavya Kailkhura, and Klara Nahrstedt. **Robusta: Robust AutoML for Feature Selection via Reinforcement Learning**
AAAI 2021 Workshop Towards Robust, Secure and Efficient Machine Learning.

[4] Jacky Y. Zhang, Rajiv Khanna, Anastasios Kyrillidis, and Oluwasanmi Koyejo. **Learning Sparse Distributions using Iterative Hard Thresholding**.
Conference on Neural Information Processing Systems (NeurIPS), Vancouver, Canada, 2019.

[5] Chao Qian, Yibo Zhang, Ke Tang, and Xin Yao. **On Multiset Selection with Size Constraints**.
AAAI Conference on Artificial Intelligence (AAAI), New Orleans, LA, 2018.

PREPRINTS

[6] Kaizhao Liang*, Jacky Y. Zhang*, Oluwasanmi Koyejo, and Bo Li. **Does Adversarial Transferability Indicate Knowledge Transferability?** *Preprint: arXiv 2006.14512*, 2020.

[7] Yibo Zhang, Chao Qian, and Ke Tang. **Maximizing Monotone DR-submodular Continuous Functions by Derivative-free Optimization**. *Preprint: arXiv 1810.06833*, 2018.

EXPERIENCE

Tencent WeChat *Shenzhen, China*
Research Intern *Summer 2019*

SCHOLARSHIP AND AWARDS

Guo Moruo Scholarship *2018*
Highest Graduation Distinction in USTC.

Outstanding Student Scholarship Golden Award *2017*

Outstanding Student Scholarship Golden Award *2016*