

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, sub-modular optimization.

Algorithms: approximation algorithms, heuristic algorithms.

PUBLICATIONS

* indicates equal contribution.

- [1] Kaizhao Liang*, Jacky Y. Zhang*, Boxin Wang, Zhuolin Yang, Oluwasanmi Koyejo, and Bo Li. **Uncovering the Connections Between Adversarial Transferability and Knowledge Transferability**. *International Conference on Machine Learning (ICML)*, 2021.
- [2] Jacky Y. Zhang, Rajiv Khanna, Anastasios Kyrillidis, and Oluwasanmi Koyejo. **Bayesian Core-sets: Revisiting the Nonconvex Optimization Perspective**. *International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2021. (Oral)
- [3] 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.
- [4] 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*.
- [5] 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.
- [6] 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

- [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
Research Intern

Shenzhen, China
Summer 2019

SCHOLARSHIP AND AWARDS

Guo Moruo Scholarship
Highest Graduation Distinction at USTC.

2018

Outstanding Student Scholarship Golden Award

2017

Outstanding Student Scholarship Golden Award

2016