

Bolian Li

PhD Student

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Education

PhD, Computer Science

Purdue University

Advisor: Ruqi Zhang

2022 – Present

West Lafayette, IN, USA

BE, Computer Science and Technology

Tianjin University

Advisor: Changqing Zhang

GPA: 3.8/4.0

2018 – 2022

Tianjin, China

Experiences

Research Intern

University of Illinois Urbana-Champaign

May 2021 – Nov. 2021

Research Intern

Institute of Computing Technology, Chinese Academy of Sciences

Jan. 2021 – Feb. 2021

Research Interests

I am interested in the reliability of machine-learning models/algorithms in the real world. I focus on the alignment of large language models, the generalization of learning algorithms, and the learning frameworks for imperfect data.

Publications

Cascade Reward Sampling for Efficient Decoding-Time Alignment

Preprint

Bolian Li, Yifan Wang, Ananth Grama, Ruqi Zhang

Entropy-MCMC: Sampling from Flat Basins with Ease

International Conference on Learning Representations (ICLR 2024)

Bolian Li, Ruqi Zhang

Long-tailed Classification from a Bayesian-decision-theory Perspective

Symposium on Advances in Approximate Bayesian Inference (AABI 2023)

Bolian Li, Ruqi Zhang

Trustworthy Long-tailed Classifications

IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2022)

Bolian Li, Zongbo Han, Haining Li, Huazhu Fu, Changqing Zhang

Graph Communal Contrastive Learning

The Web Conference (WWW 2022)

Bolian Li, Baoyu Jing, Hanghang Tong

Services

Reviewer

NeurIPS 2024; UAI 2024; AISTATS 2024; ICCV 2021; ACMMM 2021; SPIGM 2023, 2024; NextGenAISafety 2024

Teaching Assistant

CS 57800; CS 17600; CS 38003

Awards

Tan Xuguang Alumni Scholarship, *Tianjin University*

2020

Tianjin University Vision Education Fund, *Tianjin University*

2019