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? Iblaoke

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Education

PhD, Computer Science

Purdue University

Advisor: Ruqi Zhang

2022 – Present

Sept. 2022 – Present

May 2021 - Nov. 2021

Jan. 2021 – Feb. 2021

Sept. 2020 - Dec. 2021

West Lafayette, IN, USA

BE, Computer Science and Technology

Tianjin University

Advisor: Changqing Zhang

GPA: 3.8/4.0

2018 – 2022 Tianjin, China

Experiences

Purdue University

Research Assistant, Advisor: Rugi Zhang

Multimodal LLM Safety: Address safety issues induced by visual instruction tuning Efficient LLM Alignment: Improve efficiency for rejection-sampling-based alignment

Flat-seeking MC Sampling

Cost-sensitive Bayesian Deep Learning

University of Illinois Urbana-Champaign

Research Intern, Mentor: Hanghang Tong

Graph Representation Learning

Institute of Computing Technology, Chinese Academy of Sciences

Research Intern, Mentor: Shuhui Wang

Video Object Detection

Tianjin University

Research Assistant, Advisor: Changqing Zhang

Long-tailed Recognization Uncertainty Quantification

Research Interests

I am interested in the robustness and interpretability of generative models. I focus on the alignment of (multi-modal) large language models, the efficiency of sampling algorithms, and the learning frameworks for biased data distributions.

Publications

Stacey: Promoting Stochastic Steepest Descent via Accelerated ℓ_p -Smooth Nonconvex Optimization

Preprint, under review

Xinyu Luo*, Site Bai*, Bolian Li*, Petros Drineas, Ruqi Zhang, Brian Bullins

Making Reliable and Flexible Decisions in Long-tailed Classification

Transactions on Machine Learning Research (TMLR) *Bolian Li*, Ruqi Zhang

ETA: Evaluating Then Aligning Safety of Vision Language Models at Inference Time

International Conference on Learning Representations (ICLR 2025)

Yi Ding, Bolian Li, Ruqi Zhang

Cascade Reward Sampling for Efficient Decoding-Time Alignment

ICML 2024 NextGenAISafety Workshop *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

The IEEE/CVF 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), Oral Presentation *Bolian Li*, Baoyu Jing, Hanghang Tong

Services

Reviewer ICML 2025, NeurIPS 2024; ICLR 2025; AISTATS 2024, 2025; UAI 2024, 2025;

SPIGM 2023, 2024; NextGenAISafety 2024

Teaching Assistant CS 57800; CS 38003; CS 17600

Awards

Tan Xuguang Alumni Scholarship, *Tianjin University*Tianjin University Vision Education Fund, *Tianjin University*2020
2019