

Binwei Yao

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Research Interests

Post-Training: Alignment, Personalization, Multilinguality

Responsible AI: Fairness, Human-AI Alignment

Education

University of Wisconsin-Madison, Madison, WI

Sept. 2023 – Present

Ph.D. in Computer Sciences

Shanghai Jiao Tong University, Shanghai, China

Sept. 2018 – Jun. 2022

B.Eng in Software Engineering

Publications

No Preference Left Behind: Group Distributional Preference Optimization

Binwei Yao, Zefan Cai, Yun-Shiuan Chuang, Shanglin Yang, Ming Jiang, Diyi Yang, Junjie Hu

Accepted by *ICLR 2025* [[Paper](#)]

Benchmarking Machine Translation with Cultural Awareness

Binwei Yao, Ming Jiang, Tara Bobinac, Diyi Yang, Junjie Hu

Accepted by *EMNLP 2024 (Findings)* [[Paper](#)]

D⁴: a Chinese Dialogue Dataset for Depression-Diagnosis-Oriented Chat

Binwei Yao, Chao Shi, Likai Zou, Lingfeng Dai, Lu Chen, Mengyue Wu, Zhen Wang, Kai Yu.

Accepted by *EMNLP 2022 (Oral)* [[Paper](#)]

MSDWild: Multi-modal Speaker Diarization Dataset in the Wild

Tao Liu*, Shuai Fan*, Xu Xiang, Hongbo Song, Shaoxiong Lin, Jiaqi Sun, Tianyuan Han, Siyuan Chen, **Binwei Yao**, Sen Liu, Yifei Wu, Yanmin Qian and Kai Yu.

Accepted by *Interspeech 2022* [[Paper](#)]

Preprints

LLM in Professional Email Communication: Exploring the Usage, Disclosure, and Perceptual Impacts among Non-native English Speakers

Kexin Zhang*, Hanxiu Zhu*, Hailun Zhang, **Binwei Yao**

Under Review

Towards Reliable and Empathetic Depression-Diagnosis-Oriented Chats

Kun Yao Lan, Cong Ming, **Binwei Yao**, Lu Chen, Mengyue Wu

Preprint [[Paper](#)]

Research Experiences

HuLab, University of Wisconsin-Madison

Madison, WI

Sept. 2023 – Present

Group Distributional Alignment for LLMs

Advisor: [Prof. Junjie Hu](#)

SALT Lab, Stanford University

Remote

Oct. 2022 – June. 2023

Culture-Aware Machine Translation System

Advisors: [Prof. Diyi Yang](#), [Prof. Junjie Hu](#)

X-LANCE Lab, Shanghai Jiao Tong University

Shanghai, China

Dec. 2020 – June. 2023

The Dialogue System for Depression Diagnosis

Advisors: [Prof. Mengyue Wu](#), [Prof. Lu Chen](#), [Prof. Kai Yu](#)

Industry Experience

AI Speech Information Technology Co., Ltd. Suzhou, China

Jul. 2021 – Sept. 2021

Summer Intern, Dialogue and Multimodal Group

Academic Service

Reviewer: ACL Rolling Review

2023–Present

Skills

Programming Languages and Tools: *Python, C++, Java, Cuda, Go, PyTorch* and \LaTeX

Languages: English, Mandarin