

Education	The University of Texas at Dallas	2024 - present
	- Ph.D. in Computer Science	Dallas, TX, USA
	- Advisor: Zhiyu Zoey Chen	
	Virginia Tech (transferred out)	2023 - 2024
	- Ph.D. in Computer Science	Blacksburg, VA, USA
	Soochow University	2020 - 2023
	- M.S. in Computer Science	Suzhou, Jiangsu, China
	- Advisors: Wenliang Chen , Xiabing Zhou	
	- Outstanding Graduate; Outstanding Thesis	
	Nanjing University of Posts and Telecommunications	2016 - 2020
	- B.Eng. in Computer Science	Nanjing, Jiangsu, China
	- GPA: 3.96 / 5 (Top 3% in the Department)	

Research Summary	My current research focuses on enhancing language models for social good, with a particular emphasis on health domains [1, 2, 4]. I am actively working on post-training techniques , such as reinforcement learning from human feedback [1, 6], and synthetic data generation [1, 7] to equip models with complex and reliable capabilities, such as instruction following and personalization . I have experience in evaluating and improving language models, particularly in their efficacy for health applications [2], rule-learning capabilities [3], and dialogue abilities , such as keeping <i>self-consistency</i> [5] and <i>safety</i> [6] or understanding <i>core semantic meaning</i> [7] and <i>speaker's emotion</i> [8] in conversation. Additionally, I have a strong interest in vision-language models, retrieval-augmented methods, and language agents. Totally, I have 9 papers along these directions including 7 first-authored papers and 7 peer-reviewed publications in top-tier AI conferences such as ACL, NAACL, NeurIPS, etc.	
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Research Experiences	Human Language Technology Research Institute at UTD	Sep. 2024 - present
	<i>Student Researcher</i> (Advisor: Zhiyu Zoey Chen)	Dallas, TX
	Topics: Preference Learning, Personalization	
	Tencent AI Lab	May. 2024 - Jul. 2024
	<i>Research Intern</i> (Mentors: Haitao Mi , Linfeng Song)	Seattle, WA
	Topics: Reinforcement Learning from Human Feedback	
	Tencent AI Lab	Dec. 2021 - Dec. 2022
	<i>Research Intern</i> (Mentor: Lifeng Jin)	Shenzhen, China
	Topics: Dialogue Understanding, Semi-supervised Learning	
	Institute of Human Language Technology at Soochow University	Sep. 2020 - Jul. 2021
	<i>Student Researcher</i> (Advisors: Wenliang Chen , Xiabing Zhou)	Suzhou, China
	Topics: Dialogue State Tracking, Conversational Emotion Recognition	

Papers	(*denotes equal contribution)	
	1. Aligning Large Language Models to Assist in Psychotherapy (<i>Ongoing</i>)	
	Mian Zhang , Shaun M. Eack, Zhiyu Chen.	
	2. CBT-Bench: Evaluating Large Language Models on Assisting Cognitive Behavior Therapy	

(NAACL 2025)

Mian Zhang*, Xianjun Yang*, Xinlu Zhang, Travis Labrum, Jamie C. Chiu, Shaun M. Eack, Fei Fang, William Yang Wang, Zhiyu Chen.

3. [IDEA: Enhancing the Rule Learning Ability of Large Language Model Agent through Induction, Deduction, and Abduction](#) (*NeurIPS 2024 Workshop on Open-World Agents, ACL under submission*)
Kaiyu He, **Mian Zhang**, Shuo Yan, Peilin Wu, Zhiyu Zoey Chen.
4. [Large Language Models for Disease Diagnosis: A Scoping Review](#) (*Preprint*)
Shuang Zhou*, Zidu Xu*, **Mian Zhang***, Chunpu Xu*, Yawen Guo, Zaifu Zhan, Sirui Ding, Jiashuo Wang, Kaishuai Xu, Yi Fang, Liqiao Xia, Jeremy Yeung, Daochen Zha, Mingquan Lin, Rui Zhang.
5. [Inconsistent dialogue responses and how to recover from them](#) (*EACL 2024*)
Mian Zhang, Lifeng Jin, Linfeng Song, Haitao Mi, Dong Yu.
6. [SafeConv: Explaining and Correcting Conversational Unsafe Behavior](#) (*ACL 2023 Oral*)
Mian Zhang, Lifeng Jin, Linfeng Song, Haitao Mi, Wenliang Chen, Dong Yu.
7. [Friend-training: Learning from Different but Related Tasks](#) (*EACL 2023*)
Mian Zhang, Lifeng Jin, Linfeng Song, Haitao Mi, Xiabing Zhou, Dong Yu.
8. [Emotion Recognition in Conversation from Variable-Length Context](#) (*ICASSP 2023*)
Mian Zhang, Xiabing Zhou, Wenliang Chen, Min Zhang.
9. [A Pairing Enhancement Approach for Aspect Sentiment Triplet Extraction](#) (*KSEM 2023*)
Fang Yang, **Mian Zhang**, Gongzhen Hu, Xiabing Zhou.

Skills

Programming Language: Python, C/C++, Shell, \LaTeX , Matlab

Machine Learning Framework: PyTorch, NumPy, Transformers, Scikit-learn

Tool & Software: Vim, Git, pdb, Matplotlib, Pandas

Natural Language: Mandarin (native), English (advanced)

Selected Awards

Outstanding Master's Thesis	2024
Outstanding Graduate Award at Soochow University	2023
First-class Scholarship at Soochow University	2020 - 2021
Principal's Award	2019
CUMCM National First Prize (top 1%)	2018
First-class Scholarship at NJUPT	2017 - 2019