

Ziqi Wang

PH.D. STUDENT AT UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN IN CS

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Education

University of Illinois Urbana-Champaign

PH.D. IN COMPUTER SCIENCE

Champaign, IL

Aug. 2021 - 2025 (Expected)

- Member of Blender Lab under the supervision of Prof. Heng Ji and Prof. Tong Zhang

University of Illinois Urbana-Champaign

M.S. IN COMPUTER SCIENCE

Champaign, IL

Aug. 2021 - Dec. 2023

- Member of Blender Lab under the supervision of Prof. Heng Ji

Tsinghua University

B.E. IN COMPUTER SCIENCE AND TECHNOLOGY

Beijing, China

Aug. 2016 - May. 2021

- Member of THUNLP under the supervision of Prof. Zhiyuan Liu
- Magna Cum Laude

Selected Publications

* denotes equal contribution. See full publications in [Google Scholar](#)

- **Ziqi Wang**, Hanlin Zhang, Xiner Li, Kuan-Hao Huang, Chi Han, Shuiwang Ji, Sham M Kakade, Hao Peng, Heng Ji. *Eliminating Position Bias of Language Models: A Mechanistic Approach*. **Preprint 2024**
- Wei Xiong*, Hanze Dong*, Chenlu Ye*, **Ziqi Wang**, Han Zhong, Heng Ji, Nan Jiang, Tong Zhang. *Iterative Preference Learning from Human Feedback: Bridging Theory and Practice for RLHF under KL-Constraint*. **ICML 2024, Oral at ICLR 2024 ME-FoMo Workshop**
- **Ziqi Wang**, Le Hou, Tianjian Lu, Yuexin Wu, Yunxuan Li, Hongkun Yu, Heng Ji. *Enabling Language Models to Implicitly Learn Self-Improvement From Data*. **ICLR 2024**
- **Ziqi Wang**, Yuexin Wu, Frederick Liu, Daogao Liu, Le Hou, Hongkun Yu, Jing Li, Heng Ji. *Augmentation with Projection: Towards an Effective and Efficient Data Augmentation Paradigm for Distillation*. **ICLR 2023**
- Xiao Li*, **Ziqi Wang***, Bo Zhang, Fuchun Sun, Xiaolin Hu. *Recognizing Object by Components with Human Prior Knowledge Enhances Adversarial Robustness of Deep Neural Networks*. **IEEE TPAMI 2023**
- **Ziqi Wang***, Xiaozhi Wang*, Xu Han, Yankai Lin, Lei Hou, Zhiyuan Liu, Peng Li, Juanzi Li, Jie Zhou. *CLEVE: Contrastive Pre-training for Event Extraction*. **ACL-IJCNLP 2021**
- **Ziqi Wang***, Yujia Qin*, Wenxuan Zhou, Jun Yan, Qinyuan Ye, Leonardo Neves, Zhiyuan Liu, Xiang Ren. *Learning from Explanations with Neural Execution Tree*. **ICLR 2020 (Poster)**
- Wenxuan Zhou, Hongtao Lin, Bill Yuchen Lin, **Ziqi Wang**, Junyi Du, Leonardo Neves, Xiang Ren. *NERO: A Neural Rule Grounding Framework for Label-Efficient Relation Extraction*. **WWW 2020 (Best Paper Runner-Up, 2/1500+)**
- Xiaozhi Wang*, **Ziqi Wang***, Xu Han, Zhiyuan Liu, Juanzi Li, Peng Li, Maosong Sun, Jie Zhou, Xiang Ren. *HMEAE: Hierarchical Modular Event Argument Extraction*. **EMNLP-IJCNLP 2019 (Short, Oral)**

Work Experience

Meta

RESEARCH INTERN

Menlo Park, CA

May. 2024 - Aug. 2024

- Working on Large Vision-Language Models (VLMs) and Large Language Models (LLMs) Reasoning through Reinforcement Learning (RL).

University of Illinois Urbana-Champaign

RESEARCH ASSISTANT

Champaign, IL

Aug. 2021 - Present

- Working on LLMs reasoning from the perspective of RL and model architectures. Advisor: Prof. Heng Ji and Prof. Tong Zhang.

Google

SOFTWARE ENGINEERING INTERN

Sunnyvale, CA

May. 2023 - Aug. 2023

- Working on large language model self-improvement through RL with Dr. Le Hou and Dr. Yuexin Wu

Google

SOFTWARE ENGINEERING INTERN AND STUDENT RESEARCHER

Bellevue, WA and Remote

May. 2022 - Dec. 2022

- Working on data-efficient learning with Dr. Yuexin Wu and Dr. Le Hou

University of Southern California

RESEARCH ASSISTANT

Los Angeles, CA

July. 2019 - Sep. 2019

- Working on neuro-symbolic learning under the supervision of Prof. Xiang Ren

Tsinghua University

RESEARCH ASSISTANT

Beijing, China

Dec. 2018 - May. 2021

- Working on event extraction under the supervision of Prof. Zhiyuan Liu
- Working on vision robustness under the supervision of Prof. Xiaolin Hu
- Working on dialogue understanding/generation under the supervision of Prof. Minlie Huang

Talks

Objective, Inc.

2023

- Topic: AI Self-refinement with Reinforcement Learning.

Cohere AI

2024

- Topic: AI Self-refinement with Reinforcement Learning.

Honors & Awards

2021	Magna Cum Laude	Tsinghua University
2020	Scholarship for Outstanding Research Performance	Tsinghua University
20(17-20)	Scholarship for Outstanding Academic Performance	Tsinghua University
2017	Scholarship for Outstanding Social Work Performance	Tsinghua University
2017	Scholarship for Comprehensive Excellence	Tsinghua University

Service

Reviewer: ICLR, NeurIPS, ICML, ACL, EMNLP, NAACL, COLM, Pattern Recognition