

Ziqi Wang

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EDUCATION

University of Illinois Urbana-Champaign

Urbana-Champaign, U.S.

Ph.D. Computer Science

Aug. 2021 – Present

- GPA: 4.00/4.00
- Member of BLENDER Lab
- Advisor: [Prof. Heng Ji](#)

Tsinghua University

Beijing, China

B.E. Computer Science and Technology

Aug. 2016 – Jun. 2021

- GPA: 3.83/4.00
- Member of Tsinghua Natural Language Processing Lab (THUNLP)
- Advisor: [Prof. Zhiyuan Liu](#)
- Member of Student Association of Science and Technology

PUBLICATIONS

(* denotes equal contribution)

2023

- **Ziqi Wang**, Le Hou, Tianjian Lu, Yuexin Wu, Yunxuan Li, Hongkun Yu, Heng Ji. ‘Enable Language Models to Implicitly Learn Self-Improvement From Data’. **Preprint**
- Tianci Xue, **Ziqi Wang**, Heng Ji. ‘Parameter-Efficient Tuning Helps Language Model Alignment’. **Preprint**
- Tianci Xue, **Ziqi Wang**, Yixia Li, Yun Chen, Guanhua Chen. ‘TADIS: Steering Models for Deep-Thinking about Demonstration Examples’. **Preprint**
- Chi Han, **Ziqi Wang**, Han Zhao, Heng Ji. ‘In-Context Learning of Large Language Models Explained as Kernel Regression’. **Preprint**
- Tianci Xue, **Ziqi Wang**, Zhenhailong Wang, Chi Han, Pengfei Yu, Heng Ji. ‘RCOT: Detecting and Rectifying Factual Inconsistency in Reasoning by Reversing Chain-of-Thought’. **Preprint**
- **Ziqi Wang**, Chi Han, Wenxuan Bao, Heng Ji. ‘Understanding the Effect of Data Augmentation in the Knowledge Distillation’. **Preprint**
- **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 (Poster)**
- 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**

2022

- Xinya Du, Zixuan Zhang, Sha Li, **Ziqi Wang**, et al. ‘RESIN-11: Schema-guided Event Prediction for 11 Newsworthy Scenarios’. **NAACL-HLT 2022 (System Demonstrations)**
- Manling Li, Revanth Reddy, **Ziqi Wang**, Yi-Shyuan Chiang, Tuan M. Lai, Pengfei Yu, Zixuan Zhang, Heng Ji. ‘COVID-19 Claim Radar: A Structured Claim Extraction and Tracking System’. **ACL 2022 (System Demonstrations)**
- Lingjie Mei*, Jiayuan Mao*, **Ziqi Wang**, Chuang Gan, Joshua B. Tenenbaum. ‘FALCON: Fast Visual Concept Learning by Integrating Images, Linguistic descriptions, and Conceptual Relations’. **ICLR 2022 (Poster)**

2021

- **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 (Long)**

2020

- **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)**
- Xiaozhi Wang, **Ziqi Wang**, Xu Han, Wangyi Jiang, Rong Han, Zhiyuan Liu, Juanzi Li, Peng Li, Yankai Lin, Jie Zhou. ‘MAVEN: A Massive General Domain Event Detection Dataset’. **EMNLP 2020 (Long)**

- 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+)**

2019

- 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

Google

Software Engineering Intern (Full-time), Host: Dr. Le Hou

- Topic: AI Self-Improvement

Sunnyvale, CA, U.S.

May. 2023 – Aug. 2023

Google

Student Researcher (Part-time), Host: Dr. Yuexin Wu

Software Engineering Intern (Full-time), Host: Dr. Yuexin Wu

- Topic: Efficient AI

Bellevue, WA, U.S.

Aug. 2022 – Present

May. 2022 – Aug. 2022

RESEARCH EXPERIENCE

University of Illinois Urbana-Champaign

Research Assistant, Advisor: Prof. Heng Ji

- Topic: Knowledge-Enhanced AI

Urbana-Champaign, IL, U.S.

Aug. 2021 – Present

Tsinghua University

Research Assistant, Advisor: Prof. Xiaolin Hu

- Topic: AI Robustness

Beijing, China

Jan. 2021 – Jun. 2021

University of Southern California

Research Assistant, Advisor: Prof. Xiang Ren

- Topic: Neuro-Symbolic AI

Los Angeles, U.S.

Jul. 2019 – Oct. 2019

Tsinghua University

Research Assistant, Advisor: Prof. Zhiyuan Liu

- Topic: Information Extraction

Beijing, China

Dec. 2018 – Jan. 2021

SERVICE

Reviewer: ICLR 2024, NeurIPS 2023, ACL Demo 2023, Pattern Recognition

Review Assistant: AAAI 2020

AWARDS AND HONORS

- Magna Cum Laude, Tsinghua University, 2021
- Scholarship for Outstanding Academic Performance, Tsinghua University, 2017, 2018, 2019, 2020
- Scholarship for Outstanding Research Performance, Tsinghua University, 2020
- Scholarship for Outstanding Social Work Performance, Tsinghua University, 2017
- Scholarship for Comprehensive excellence, Tsinghua University, 2017