

Renze Lou

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EDUCATION

Pennsylvania State University, State College, USA Jan 2023-Present
Ph.D., Computer Science and Engineering | NLP

Zhejiang University City College (ZUCC), Hangzhou, China Sept 2018-Jul 2022
B.Eng., Software Engineering | GPA (junior): 3.95/4.0 | Average Score: 87.01/100 | Rank: 2/67

PUBLICATIONS

2024:

- Jian Xie*, Kai Zhang*, Jiangjie Chen, Tinghui Zhu, **Renze Lou**, Yuandong Tian, Yanghua Xiao, Yu Su. TravelBench: Toward Real-world Planning for Language Agents. *arXiv Preprint 2024*.

2023:

- Renze Lou**, Kai Zhang, Jian Xie, Yuxuan Sun, Janice Ahn, Hanzi Xu, Yu Su, Wenpeng Yin. MUFFIN: Curating Multi-Faceted Instructions for Improving Instruction-Following. *ICLR 2024*.
- Jian Xie*, Kai Zhang*, Jiangjie Chen, **Renze Lou**, Yu Su. Adaptive Chameleon or Stubborn Sloth: Unraveling the Behavior of Large Language Models in Knowledge Conflicts. *ICLR 2024 (Spotlight)*.
- Lin Sun*, Kai Zhang*, Qingyuan Li*, **Renze Lou**. UMIE: Unified Multimodal Information Extraction with Instruction Tuning. *AAAI 2024 (Oral)*.
- Renze Lou**, Kai Zhang, Wenpeng Yin. A Comprehensive Survey on Instruction Following. *arXiv Preprint 2023*.
- Renze Lou** and Wenpeng Yin. Toward Zero-Shot Instruction Following. *SRW@EACL 2024*.
- Janice Ahn, RISHU VERMA, **Renze Lou**, Di Liu, Rui Zhang, Wenpeng Yin. Large Language Models for Mathematical Reasoning: Progresses and Challenges. *SRW@EACL 2024*.

2022:

- Xiaojie Gu, **Renze Lou**, Lin Sun, Shangxin Li. PAGE: A Position-Aware Graph-Based Model for Emotion Cause Entailment in Conversation. *ICASSP 2023*.
- Yuanhe Tian, **Renze Lou**, Xiangyu Pang, Lianxi Wang, Shengyi JIANG and Yan Song. Improving English-Arabic Transliteration with Phonemic Memories. *EMNLP-Findings 2022*.

2021:

- Weicheng Ma, **Renze Lou**, Kai Zhang, Lili Wang and Soroush Vosoughi. GradTS: A Gradient-Based Automatic Auxiliary Task Selection Method Based on Transformer Networks. *EMNLP 2021*.
- Weicheng Ma*, Kai Zhang*, **Renze Lou**, Lili Wang and Soroush Vosoughi. Contributions of Transformer Attention Heads in Multi- and Cross-lingual Tasks. *ACL 2021 (Oral)*.
- Renze Lou***, Yutong Wang*, Kai Zhang*, Maoyan Chen and Yujiu Yang. MORE: A Metric Learning Based Framework for Open-Domain Relation Extraction. *ICASSP 2021*.

- **Renze Lou***, Fan Zhang*, Xiaowei Zhou, Yutong Wang, Minghui Wu, Lin Sun. A Unified Representation Learning Strategy for Open Relation Extraction with Ranked List Loss. *CCL 2021*.

RESEARCH EXPERIENCE

Research Assistant. College of Engineering.	<u>Penn State University</u>
Advisor: Wenpeng Yin	Jan 2023-Present
Research Assistant. School of Data Science.	<u>The Chinese University of HongKong (Shenzhen)</u>
Advisor: Yan Song	Oct 2021-Jun 2022
Remote Research Intern. Minds, Machines and Society Group.	<u>Dartmouth College</u>
Advisor: Soroush Vosoughi	Oct 2020-Aug 2021
Remote Research Intern. Intelligent Computing Laboratory.	<u>Tsinghua University</u>
Advisor: Yuju Yang	Jun 2020-Oct 2020
Research Assistant. Institute of Artificial Intelligence.	<u>Zhejiang University City College</u>
Advisors: Lin Sun and Minghui Wu	May 2020-Mar 2021

WORK EXPERIENCE

SalesForce Research *Palo Alto, CA*
05/20/2024- 08/09/2024 *Summer 2024 AI Research Intern*

- Large language models, Instruction Tuning.

AWARDS

Outstanding Technical Contribution Grant for OpenVINO (awarded by Intel)	2022
Outstanding Graduates of Zhejiang Province (3% , awarded by Zhejiang Provincial Government)	2022
Zhejiang Provincial Government Scholarship (3% , awarded by Zhejiang Provincial Government)	2021
First Class Scholarship for Excellence in Scientific Research (5% , awarded by ZUCC)	2021
First Class Scholarship for Excellence in Competition Performance (5% , awarded by ZUCC)	2021
Second Class Scholarship for Academic Performance and Innovation (5% , awarded by ZUCC)	2020,2021
First Class Scholarship for Academic Performance and Innovation (1% , awarded by ZUCC)	2019

SERVICES

Reviewer: ACL Rolling Review (since 2023); ACL (since 2023); EMNLP (since 2022); Instruction Workshop @ NeurIPS 2023; UDM @ KDD 2023; ToM @ ICML 2023; StarSEM (since 2023); AKBC 2022.

External Reviewer: EMNLP (since 2021); NLPCC 2023; CCL 2023; IJCAI 2021; JISF.