Renze Lou

Phone: (+1) 267-951-9474   Email: marionojump0722@gmail.com   Personal Website

EDUCATION

Penn 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

(* indicates equal contribution)

1. **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. *arXiv Preprint 2023*.

2. 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. *arXiv Preprint 2023*.

3. **Renze Lou**, Kai Zhang, Wenpeng Yin. Is Prompt All You Need? No. A Comprehensive and Broader View of Instruction Learning. *arXiv Preprint 2023*.

4. **Renze Lou** and Wenpeng Yin. Forget Demonstrations, Focus on Learning from Textual Instructions. *arXiv Preprint 2023*.

5. Xiaojie Gu, **Renze Lou**, Lin Sun, Shangxin Li. PAGE: A Position-Aware Graph-Based Model for Emotion Cause Entailment in Conversation. *In ICASSP 2023*.

6. Yuanhe Tian, **Renze Lou**, Xiangyu Pang, Lianxi Wang, Shengyi JIANG and Yan Song. Improving English-Arabic Transliteration with Phonemic Memories. *In EMNLP - Findings 2022*.

7. Weicheng Ma, **Renze Lou**, Kai Zhang, Lili Wang and Soroush Vosoughi. GradTS: A Gradient-Based Automatic Auxiliary Task Selection Method Based on Transformer Networks. *In EMNLP 2021*.

8. Weicheng Ma*, Kai Zhang*, **Renze Lou**, Lili Wang and Soroush Vosoughi. Contributions of Transformer Attention Heads in Multi- and Cross-lingual Tasks. *In ACL 2021 (**Long Oral**)*.

9. Yutong Wang*, **Renze Lou***, Kai Zhang*, Maoyan Chen and Yujiu Yang. MORE: A Metric Learning Based Framework for Open-Domain Relation Extraction. *In ICASSP 2021*.

10. **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. *In CCL 2021*.

RESEARCH EXPERIENCE

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

WORK EXPERIENCE

Hangzhou Maixiang Health Technology Co., Ltd *Zhejiang, China*
Jul 2021- Sept 2021 *NLP Algorithm Intern*

· Research on the Application of Traditional Chinese Medical Knowledge Graph

PROJECTS

1. Research on Open Relation Extraction in Medical Therapic Recording *Leader*; May 2021- May 2022
National Innovation Training Program for College Students (202113021002) 18,000 RMB
2. Research on Named Entity Recognition in Social Media *Member*; May 2021-May 2022
National Innovation Training Program for College Students (202113021003) 15,000 RMB

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; AKBC 2022.

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

Teaching Asistance (undergraduate-level): Deep-Learning Application; Object-Oriented Programming.

SKILLS

Programming: Python; LaTeX; Java; C/C++; Matlab.

Tools: Pytorch; Transformers (huggingface); DeepSpeed; Keras; Scikit-learn.