

JUNRU LU

Natural Language Processing Enthusiast

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LuJunru

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EDUCATION

Ph.D. candidate in Computer Science

University of Warwick

Nov. 2019 – Mar. 2024

Coventry, UK

- Supervisor: Prof. Yulan He

M.S. in Applied Urban Science & Informatics

New York University

Sept. 2018 – Sept. 2019

New York City, USA

Double Bachelor of Economics

Peking University

Sept. 2015 – July 2018

Beijing, China

B.Eng. in Information Management and Information System

University of International Relations

Sept. 2014 – July 2018

Beijing, China

- Supervisor: Prof. Binyang Li

INTERNSHIP

NLP Algorithm Research Internship, YouTu Lab

Tecent

May 2023 – present

Shanghai, China

- Project1: API tool capability of LLM in travel field
- Project2: Memory-enhanced LLM under Long-Range Conversation

AI Algorithm Research Internship, Dept. of AI platform

Bilibili Group

Nov. 2022 – Apr. 2023

Shanghai, China

- Project1: Implement Efficient Conformer module inside WeNet.
- Project2: Text Segmentation module for ASR Post-processing.
- Project3: Speech pretraining based on Data2Vec2.

NLP Engineer Internship

Beijing iDeepWise Artificial Intelligence Tech Ltd

Mar. 2018 – June 2018

Beijing, China

- Project1: Research on TextCNN and Siamese-LSTM for sentence similarity.
- Project2: Implement a two-stage BiDAF model on Dureader Dataset.

Data Mining Engineer Internship, Dept. of Text Mining

Beijing Baifendian InfoTech Ltd

Oct. 2017 – Mar. 2018

Beijing, China

- Project: Develop a single-round Community-based QA System [Codes].

PUBLICATIONS

Journal Articles

- Lu, Junru, Le Chen, et al. (2019). "Identifying User Profile by Incorporating Self-Attention Mechanism based on CSDN Data Set". In: *Data Intelligence 1.2*, pp. 160–175.

Conference Proceedings

- [Under review] Lu, Junru, Siyu An, et al. (2023). "MemoChat: Tuning LLMs to Use Memos for Consistent Long-Range Open-Domain Conversation". In: <https://arxiv.org/abs/2308.08239>.
- [Under review] Lu, Junru, Gabriele Pergola, et al. (2023). "Event Knowledge Incorporation with Posterior Regularization for Event-Centric Question Answering". In: <https://arxiv.org/abs/2305.04522>.
- Lu, Junru, Jiazheng Li, et al. (2022). "NapSS: Paragraph-level Medical Text Simplification via Narrative Prompting and Sentence-matching Summarization". In: *The 17th Conference of the European Chapter of the Association for Computational Linguistics*.
- Lu, Junru, Xingwei Tan, et al. (2022). "Event-Centric Question Answering via Contrastive Learning and Invertible Event Transformation". In: *The 2022 Conference on Empirical Methods in Natural Language Processing*.
- Lu, Junru, Gabriele Pergola, et al. (2020). "Chime: Cross-passage Hierarchical Memory Network for Generative Review Question Answering". In: *The 28th International Conference on Computational Linguistics*.

ACADEMIA

- Reviewer: ACL, EMNLP, EACL
- Teaching Assistant:
 - CS331 Neural Computing (2019 - 2022)
 - CS918 Natural Language Processing (2022)

CODING

Python
Sql
Javascript

