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Address: 5# Yiheyuan Road, Haidian, Beijing

RESEARCH INTERESTS

Natural Language Processing (NLP), Applications of NLP, Knowledge Graph (KG), and KG incorporated Large Language Models, ML Sys.

EDUCATION

Peking University

Beijing, China

- Wangxuan Institute of Computer Technology
PhD candidate, in Computer Application Technology

September 2021 - Present

Chinese Academy of Sciences

Beijing, China

- Institute of Information Engineering
M.Eng., in Computer Science and Technology

September 2018 - June 2021

Central South University

Hunan, China

- Powder Metallurgy Research Institute
B.Eng., in Powder Materials Science and Engineering

September 2012 - June 2016

SELECTED PUBLICATIONS

- MedDiT: A Knowledge-Controlled Diffusion Transformer Framework for Dynamic Medical Image Generation in Virtual Simulated Patient
Yaneng Li, Cheng Zeng, Jinchao Zhang, Jie Zhou, Lei Zou
In Preprint
- Leveraging Large Language Model as Simulated Patients for Clinical Education
Yaneng Li, Cheng Zeng, Jialun Zhong, Ruoyu Zhang, Minhao Zhang, Lei Zou
In Preprint
- Synergistic Knowledge Integration for Answering Complex Questions with Multiple Sources
Minhao Zhang*, **Yanzeng Li***, Yongliang Ma, Ruoyu Zhang, Lei Zou
In Preprint
- gBuilder: A Scalable Knowledge Graph Construction System for Unstructured Corpus
Yanzeng Li, Lei Zou
In Preprint
- A Progressive Question Answering Framework Adaptable to Multiple Knowledge Sources
Yirui Zhan*, **Yanzeng Li***, Minhao Zhang, Lei Zou
In Proceedings of the 8th APWeb-WAIM joint international conference on Web and Big Data (Demo Track), 2024
- LLMaAA: Making Large Language Models as Active Annotators
Ruoyu Zhang, **Yanzeng Li**, Yongliang Ma, Ming Zhou, Lei Zou.
In Findings of the Association for Computational Linguistics: EMNLP 2023
- CORD: A Three-Stage Coarse-to-Fine Framework for Relation Detection in Knowledge Base Question Answering
Yanzeng Li, Sen Hu, Wenjuan Han, Lei Zou.
In Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (CIKM), 2023
- AtTGen: Attribute Tree Generation for Real-World Attribute Joint Extraction
Yanzeng Li, Bingcong Xue, Ruoyu Zhang, Lei Zou.
In Proceedings of the 61th Annual Meeting of the Association for Computational Linguistics (ACL), 2023

- A Novel Table-to-Graph Generation Approach for Document-Level Joint Entity and Relation Extraction
Ruoyu Zhang, **Yanzeng Li**, Lei Zou.
In Proceedings of *the 61th Annual Meeting of the Association for Computational Linguistics (ACL)*, 2023
- Exploiting Ubiquitous Mentions for Document-Level Relation Extraction
Ruoyu Zhang, **Yanzeng Li**, Minhao Zhang, Lei Zou In Proceedings of *the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR)*, 2023
- VGStore: A Multimodal Extension to SPARQL for Querying RDF Scene Graph
Yanzeng Li, Zilong Zheng, Wenjuan Han, Lei Zou
In Proceedings of *the 21st International Semantic Web Conference (ISWC)*, 2022
- Crake: Causal-Enhanced Table-Filler for Question Answering over Large Scale Knowledge Base
Minhao Zhang, Ruoyu Zhang, **Yanzeng Li**, Lei Zou
In Findings of *the Association for Computational Linguistics: NAACL 2022*
- Introducing Semantic Information for Numerical Attribute Prediction over Knowledge Graphs
Bingcong Xue, **Yanzeng Li**, Lei Zou
In Proceedings of *the 21st International Semantic Web Conference (ISWC)*, 2022
- Enhancing Pre-Trained Language Representations Based on Contrastive Learning for Unsupervised Keyphrase Extraction
Zhaohui Wang, Xinghua Zhang, **Yanzeng Li**, Yubin Wang, Jiawei Sheng, Tingwen Liu, Hongbo Xu
In Proceedings of *The 32nd International Conference on Software Engineering & Knowledge Engineering (SEKE)*, 2022
- Enhancing Chinese Pre-trained Language Model via Heterogeneous Linguistics Graph
Yanzeng Li, Jiangxia Cao, Xin Cong, Zhenyu Zhang, Bowen Yu, Hongsong Zhu, Tingwen Liu.
In Proceedings of *the 60th Annual Meeting of the Association for Computational Linguistics (ACL)*, 2022
- Identifying Reply Relationships from Telegram Groups Using Multi-Features Fusion
Panpan Zhang, Yao Qi, **Yanzeng Li**, Jing Ya, Xuebin Wang, Tingwen Liu, Jinqiao Shi.
In Proceedings of *2021 IEEE Sixth International Conference on Data Science in Cyberspace (DSC)*, 2021
- Relation Extraction based on Data Partition and Representation Integration [*Best Paper Runner up*]
Jiapeng Zhao, Panpan Zhang, Tingwen Liu, Zhenyu Zhang, **Yanzeng Li**, Jinqiao Shi
In Proceedings of *2021 IEEE Sixth International Conference on Data Science in Cyberspace (DSC)*, 2021
- Semi-Open Attribute Extraction from Chinese Functional Description Text
Li Zhang, **Yanzeng Li***, Ruoyu Zhang, Wenjie Li.
In Proceedings of *the 13th Asian Conference on Machine Learning (ACML)*, 2021.
- FITAnnotator: A Flexible and Intelligent Text Annotation System
Yanzeng Li, Bowen Yu, Li Quangang, Tingwen Liu.
In Proceedings of *the 2021 Conference of the North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL-HLT)* (Demonstrations), 2021
- Enhancing Pre-trained Chinese Character Representation with Word-aligned Attention
Yanzeng Li, Bowen Yu, Mengge Xue, Tingwen Liu.
In Proceedings of *the 58th Annual Meeting of the Association for Computational Linguistics (ACL)*, 2020
- BiG-Transformer: Integrating Hierarchical Features for Transformer via Bipartite Graph
Xiaobo Shu, Mengge Xue, **Yanzeng Li**, Zhenyu Zhang, Tingwen Liu.
In Proceedings of *2020 International Joint Conference on Neural Networks (IJCNN)*, 2020
- 2ch-TCN: A Website Fingerprinting Attack over Tor Using 2-channel Temporal Convolutional Networks
Meiqi Wang, **Yanzeng Li**, Xuebin Wang, Tingwen Liu, Jinqiao Shi, Muqian Chen.
In Proceedings of *2020 IEEE Symposium on Computers and Communications (ISCC)*, 2020

- ICNet: Incorporating Indicator Words and Contexts to Identify Functional Description Information
Qu Liu, Zhenyu Zhang, **Yanzeng Li**, Tingwen Liu, Diying Li, Jinqiao Shi.
In Proceedings of *2019 International Joint Conference on Neural Networks (IJCNN)*, 2019
- Character-based BiLSTM-CRF Incorporating POS and Dictionaries for Chinese Opinion Target Extraction
Yanzeng Li, Tingwen Liu, Diying Li, Quangan Li, Jinqiao Shi, Yanqiu Wang.
PMLR 95:518-533, In Proceedings of *the 10th Asian Conference on Machine Learning (ACML)*, 2018

PROFESSIONAL SERVICE

- Journal Reviewer, IEEE Transactions on Knowledge and Data Engineering (TKDE)
- Journal Reviewer, Knowledge-Based Systems (KBS)
- Journal Reviewer, Neurocomputing
- Journal Reviewer, Journal of Medical Internet Research (JMIR)
- Program Committee Member, the AAAI Conference on Artificial Intelligence (AAAI), 2021/2022/2023/2024
- Program Committee Member, the Conference on Empirical Methods in Natural Language Processing (EMNLP), 2021/2022/2023, & EMNLP Industry Track 2023 & WiNLP 2024
- Program Committee Member, the 17th Conference of the European Chapter of the Association for Computational Linguistics (EACL), 2023
- Program Committee Member, the Annual Meeting of the Association for Computational Linguistics (ACL), 2020/2021/2022
- Program Committee Member, the Conference of the North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL-HLT), 2021/2022/2024
- Program Committee Member, the ACM International Conference on Multimedia (ACM MM), 2024
- Program Committee Member, the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2023/2024
- Program Committee Member, the 1st Conference on Language Modeling (COLM), 2024
- Program Committee Member, The ACM International Conference on Information and Knowledge Management (CIKM), 2023/2024 & Demo Track 2023/2024
- Reviewer, The 13th CCF International Conference on Natural Language Processing and Chinese Computing (NLPCC 2024)
- Review Assistant/Sub Reviewer for IJCAI 2018/2021, etc.
- ...

AWARDS

- **The 3rd Prize of PKU Scholarship**
Peking University 2023
- **Merit Student**
Peking University 2022, 2023
- **Merit Student**
Wangxuan Institute of Computer Technology, Peking University 2022, 2023
- **Ubiquant Scholarship**
Peking University 2022
- **IIE Presidential Special Scholarship (Top 1%)**
Institute of Information Engineering, Chinese Academy of Sciences 2020
- **Laboratory Excellent Student Scholarship.**
Institute of Information Engineering, Chinese Academy of Sciences 2020
- **Merit Student**
University of Chinese Academy of Sciences 2019, 2020
- **Outstanding Student League Cadres**
Central South University 2015

(PREVIOUS) INDUSTRY EXPERIENCE

- **(Boloni Corp) Jufenqi E-Business Co.,Ltd** Beijing
Web Developer, mostly developed the front-end *August 2016 - May 2017*
 - Developed B2B&B2C products, ARP&CRM and FMIS, etc.
- **(Boloni Corp) KuaiKuaiZhuang Technology Co., Ltd** Beijing
Web Developer & App Developer *June 2016 - September 2016*
 - Technology architecture design. Developed official website, iOS app, etc.
- **ShanHe Design Inc. [SHD 834776]** Beijing
Full Stack Developer *March 2016 - June 2016*
 - Developed official website, online store, recommended system, etc.