

Yanzeng Li

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RESEARCH INTERESTS

Natural Language Processing (NLP), Applications of NLP, Information Extraction (IE) for Knowledge Graph (KG), and KG incorporated Large Language Models.

EDUCATION

Peking University

Beijing, China

- Wangxuan Institute of Computer Technology
PhD student, 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

RESEARCH EXPERIENCE

Data Management Lab

WICT, PKU

- Research Intern & Student, supervised by Lei Zou

June 2021 - Present

Knowledge Discovery for Security Group

IIE, CAS

- Research Intern & Student, supervised by Tingwen Liu

May 2017 - June 2021

State Key Laboratory for Powder Metallurgy

PMRI, CSU

- Research Intern, supervised by Huachan Fang

2015 - April 2016

SELECTED PUBLICATIONS

- gBuilder: A Scalable Knowledge Graph Construction System for Unstructured Corpus
Yanzeng Li, Lei Zou
In *pre-print*, 2022
- 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
- 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

- 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 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
- 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
- Character-based BiLSTM-CRF Incorporating POS and Dictionaries for Chinese Opinion Target Extraction
Yanzeng Li, Tingwen Liu, Diying Li, Quangang 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, IEEE Open Journal of Signal Processing (OJSP)
- 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
- 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 2021 Conference of the North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL-HLT)
- Program Committee Member, the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2023/2024
- Program Committee Member, The 32nd ACM International Conference on Information and Knowledge Management Demonstration Track, (CIKM 2023 Demo Track)
- 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 2020
- **Merit Student**
University of Chinese Academy of Sciences 2019
- **Outstanding Student League Cadres**
Central South University 2015

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.