XIN MAO

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Research Interests

Natural Language Processing & Data Mining
Graph Neural Networks, Graph Embedding, Entity Alignment, Link Prediction, Information Extraction.

Education & Employment

East China Normal University, Shanghai, China   2018 - Present
——Ph.D Student (Advisor: Prof. Man Lan)

East China Normal University, Shanghai, China   2013 - 2018
——B.S. in Computer Science (Advisor: Prof. Man Lan)

Alibaba Group, Hangzhou, China   2018 - 2019
——NLP Research Intern (Mentor: Mrs. Wenting Wang)

Meituan, Shanghai, China   2021
——NLP Research Intern (Mentor: Mr. Zongyu Wang)

Publications

First Author

LightEA: A Scalable, Robust, and Interpretable Entity Alignment Framework via Three-view Label Propagation
The Conference on Empirical Methods in Natural Language Processing (**EMNLP 2022**)
Xin Mao, Wenting Wang, Yuanbin Wu, Man Lan

An Effective and Efficient Entity Alignment Decoding Algorithm via Third-Order Tensor Isomorphism
Annual Meeting of the Association for Computational Linguistics (**ACL 2022**)
Xin Mao, Meirong Ma, Hao Yuan, Jianchao Zhu, Zongyu Wang, Rui Xie, Wei Wu, Man Lan

Are Negative Samples Necessary in Entity Alignment?: An Approach with High Performance, Scalability and Robustness
International Conference on Information & Knowledge Management (**CIKM 2021**)
Xin Mao, Wenting Wang, Yuanbin Wu, Man Lan

From Alignment to Assignment: Frustratingly Simple Unsupervised Entity Alignment
The Conference on Empirical Methods in Natural Language Processing (**EMNLP 2021**)
Xin Mao, Wenting Wang, Yuanbin Wu, Man Lan

Boosting the Speed of Entity Alignment 10×: Dual Attention Matching Network with Normalized Hard Sample Mining
The Web Conference (**WWW 2021**)
Xin Mao, Wenting Wang, Yuanbin Wu, Man Lan

Relational Reflection Entity Alignment
International Conference on Information & Knowledge Management (**CIKM 2020**)
Xin Mao, Wenting Wang, Huimin Xu, Yuanbin Wu, Man Lan

MRAEA: An Efficient and Robust Entity Alignment Approach for Cross-lingual Knowledge Graph
International Conference on Web Search and Data Mining (**WSDM 2020**)
Xin Mao, Wenting Wang, Huimin Xu, Yuanbin Wu, Man Lan

<u>**Co-Author**</u>

Scaling up Open Tagging from Tens to Thousands: Comprehension Empowered Attribute Value Extraction from Product Title
Annual Meeting of the Association for Computational Linguistics (**ACL 2019**)
Huimin Xu, Wenting Wang, **Xin Mao**, Xinyue Jiang, Man Lan

Target-dependent Event Detection: A New Task to Event Extraction from News
IEEE International Conference on Big Data (**Big Data 2021**)
Tiantian Zhang, **Xin Mao**, Dejian Li, Meirong Ma, Hao Yuan, Jianchao Zhu, Man Lan

A Simple Temporal Information Matching Mechanism for Entity Alignment Between Temporal Knowledge Graphs
International Conference on Computational Linguistics (**COLING 2022**)
Li Cai, **Xin Mao**, Meirong Ma, Hao Yuan, Jianchao Zhu and Man Lan

Awards & Competitions

National Scholarship (Ph.D.)	**2022**
ECNU Wisdom Scholarships (Ph.D., Top 5%)	**2021**
ECNU Scholarships (B.S.)	**2014, 2015, 2016**
ACM-ICPC Asia Regional Programming Contest Qingdao Site	**Silver Medal 2016**
CCPC National Programming Contest Ningbo Site	**Bronze Medal 2016**
International Workshop on Semantic Evaluation (SemEval 2018) Emoji Prediction Task	**Rank 4**

Review Services

Annual Meeting of the Association for Computational Linguistics (**ACL**)

The Conference on Empirical Methods in Natural Language Processing (**EMNLP**)

Annual Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL**)

International Conference on Computational Linguistics (**COLING**)

ACL Rolling Review (**ARR**)