

Erxin Yu

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Employment History

- July 2024 – Dec 2024  **Huawei, Noah's Ark Lab**, Research Intern.
Supervisor: Dr. Fei Mi and Dr. Lanqing Hong
Research Area: Data-efficiency for Instruction Tuning, LLM Safety
- Feb 2022 – May 2022  **JD Explore Academy**, Research Intern.
Supervisor: Dr. Dacheng Tao
Research Area: Topic Model, Pre-trained Language Model
- June 2018 – Sep 2019  **Huawei, Poisson Lab**, Research Intern.
Supervisor: Dr. Yantao Jia
Research Area: Knowledge Graph, Relation Extraction, Event Extraction

Education

- 2022 – Now  **Department of Computing, The HongKong Polytechnic University**
Ph.D., Computer Science, Supervisor: Dr. Jing Li
- 2019 – 2022  **School of Artificial Intelligence, Jilin University.**
M.S. Computer Science, Supervisor: Dr. Yi Chang
- 2015 – 2019  **School of Software, Jilin University.**
B.S. Software Engineering.

Research Publications

- **CoSafe: Evaluating Large Language Model Safety in Multi-Turn Dialogue Coreference.**
Erxin Yu, Jing Li, Ming Liao, Siqi Wang, Zuchen Gao, Fei Mi, Lanqing Hong. *Preprint.* 2024
- **RePALM: Popular Quote Tweet Generation via Auto-Response Augmentation.**
Erxin Yu, Jing Li, Chunpu Xu. *The 62nd Annual Meeting of the Association for Computational Linguistics (Findings of ACL 2024).* 2024
- **PopALM: Popularity-Aligned Language Models for Social Media Trendy Response Prediction.**
Erxin Yu, Jing Li, Chunpu Xu. *The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (COLING 2024).* 2024
- **Semantic Textual Matching with Topic-enhanced Discrete Latent Variables.**
Erxin Yu, Lan Du, Yuan Jin, Zhepei Wei, Yi Chang. *Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP 2022).* 2022
- **Towards Unified Representations of Knowledge Graph and Expert Rules for Machine Learning and Reasoning.**
Zhepei Wei, Yue Wang, Jinnan Li, Zhining Liu, Erxin Yu, Yuan Tian, Xin Wang, Yi Chang. *Proceedings of the 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 12th International Joint Conference on Natural Language Processing (AAACL 2022).* 2022
- **ToHRE: A Top-Down Classification Strategy with Hierarchical Bag Representation for Distantly Supervised Relation Extraction.**
Erxin Yu, Wenjuan Han, Yuan Tian, Yi Chang. *in Proceedings of the 28th International Conference on Computational Linguistics (COLING 2020)* 2020

- **Context and Type Enhanced Representation Learning for Relation Extraction.**
Erxin Yu, Yantao Jia, Shang Wang, Fengfu Li, Yi Chang. *in 11th IEEE International Conference on Knowledge Graph (ICKG 2020), Nanjing, China, August 2020.* 2020.
- **A Two-Level Noise-Tolerant Model for Relation Extraction with Reinforcement Learning.**
Erxin Yu, Yantao Jia, Yuan Tian, Yi Chang. *in 11th IEEE International Conference on Knowledge Graph (ICKG 2020)* 2020
- **The Poisson multi-media knowledge construction System for TAC KBP 2018.**
Zhicheng Sheng, Danping Wu, Zelong Li, Wei Zhang, Jingchen Lu, Zeming Xu, Dong Liu, Shuo Guo, Yantao Jia, Zhepei Wei, **Erxin Yu**, Xiongfeng Xiao, Zhuo Wang, Jianyong Wang. *in Proceedings of the 2018 Text Analysis Conference (TAC 2018)* 2018

Service and Award

- **Journal Reviewer**
 - IEEE Transactions on Knowledge and Data Engineering (TKDE) 2021, 2020, 2019
 - Elsevier Neurocomputing (Neurocomputing) 2021, 2020
- **Conference Reviewer**
 - Association for Computational Linguistics Rolling Review (ACL ARR) 2024, 2023
 - ACM International Conference on Multimedia (ACM MM) 2023
 - International Joint Conference on Artificial Intelligence (IJCAI) 2022
 - Conference on Information and Knowledge Management (CIKM) 2022
 - International Conference on Data Mining (ICDM) 2022
 - Association for the Advancement of Artificial Intelligence (AAAI) 2022, 2021
- **Award**
 - First Prize of "Internet +" University Student Innovation and Entrepreneurship Competition, Jilin University 2018
 - First Prize of University Student Innovation and Entrepreneurship Competition, Jilin university 2018
 - Second Class Scholarship, Jilin University 2017
 - Third Class Scholarship, Jilin University 2017
 - Second Prize of "Cambridge Cup" National Software and Information Technology, Jilin Province 2017
 - College Excellent Student, Jilin University 2017
 - Second Prize of National College Students Mathematical Modeling Contest, Jilin Province 2017