


# Erxin Yu

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## Employment History

- 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

- **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 (ACL 2022)*. 2022
- **IMBENS: Ensemble Class-imbalanced Learning in Python.**  
Zhining Liu, Zhepei Wei, **Erxin Yu**, Qiang Huang, Kai Guo, Boyang Yu, Zhaonian Cai, Hangting Ye, Wei Cao, Jiang Bian, Pengfei Wei, Jing Jiang, Yi Chang. *Preprint*. 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(Feb), 2023(Dec)
- 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