

YING HE

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🎓 EDUCATION

Soochow University, Suzhou, China 2016.09 – 2019.07

Master, Computer Science and Technology, GPA: 3.7/4.0

Major courses: Machine Learning, Algorithm Design and Analysis, Combinatorial Mathematics

Research area: Knowledge Graph, Information Extraction

Soochow University, Suzhou, China 2012.09 – 2016.07

Bachelor, Software Engineering, GPA: 3.5/4.0

Major courses: Data Structure, Operating System, Calculus, C Language Programming

King Abdullah University of Science & Technology, Saudi Arabia 2018.09 – 2018.10

Internship, Machine Intelligence and kNowledge Engineering(MINE)

📄 RESEARCH HARVEST

- Zhixu Li, **Ying He**, Binbin Gu, An Liu, Hongsong Li, Haixun Wang, Xiaofang Zhou: Diagnosing and Minimizing Semantic Drift in Iterative Bootstrapping Extraction. IEEE Trans. Knowl. Data Eng. PP(99):1-1(2017) (SCI, IF: 4.935)
- **Ying He**, Zhixu Li, Guanfeng Liu, Fangfei Cao, Zhigang Chen, Ke Wang, Jie Ma: Bootstrapped Multi-level Distant Supervision for Relation Extraction. WISE 2018 (CCF C, **best student paper**)
- **Ying He**, Zhixu Li, Qiang Yang, Zhigang Chen, An Liu, Lei Zhao, Xiaofang Zhou: End-to-end relation extraction based on bootstrapped multi-level distant supervision. World Wide Web 23(5): 2933-2956 (2020) (SCI, IF:2.892)
- One Kind of Entity Relationship Recognition Device, patent number: 201910750310.8, in Chinese.
- One Kind of Method and Device based on Heterogeneous Sequence Learning for Entity Alignment, patent number:202010384445.X, in Chinese
- Identification, Device and Readable Medium for Necessary Attributes in a Knowledge Graph, patent number:202010509688.1, in Chinese.
- One Kind of Document Summarization for Multimodal News, patent number: 202010520451.3, in Chinese.
- One Kind of Algorithm based on Attention Mechanism for Entity Linking, patent number: 202010600786.6, in Chinese.

👥 EXPERIENCE

AI Drawing Inspecting Project for BIM, working at IFLYTEK Research 2019.07 – present

Main researcher & Project manager

Inspect Building Models automatically with Chinese textual norms of architecture

- Duty:
 - Identifying criteria for data annotations;
 - Building a Zero Anaphora Resolution to complement missing entities in a sentence;
 - Communicating requirements with customers and following up the entire progress of this project.
- Project Result: We developed a man-machine annotation system, involving Element Recognition, Triple Extraction, Zero Anaphora Resolution etc. The annotation platform has been used by customers, and structural data have been used in QA system and Inspection Program.

Open-Domain Knowledge Graph Project 2017.07 – 2018.08

Main researcher

Build a Knowledge Graph

- Duty: Building Relation Extraction module to predict the relationship between an entity pair appearing in a raw sentence. The main methods used to predict relationships include DS(Distant Supervision), MIML(Multi-Instances Multi-Label), Bootstrapping and CNN(Convolutional Neural Network);
- Project Result: Relation Extraction module are built, that can predict relationships in a high precision and recall.

Intelligence world Project

2013.12 – 2014.12

Main developer

Develop an app to send useful information to enterprises

- Duty: Classifying and cleaning original data and store them into MySQL. In addition, designing the user interface.
- Project Result: Implemented the system successfully.

⚙️ SKILLS

- Programming Languages: Python
- Be skilled in using MongoDB system

♥️ HONORS AND AWARDS

<i>Outstanding Graduate</i> , Award on Soochow University	Master
<i>Excellent Master Thesis</i> , Award on Soochow University	Master
<i>1st Prize</i> , Award on Soochow University	Master
<i>Outstanding Graduate</i> , Award on Soochow University	Bachelor
National encouragement scholarship	Bachelor
<i>Consolidated Award</i> , Award on Soochow University	Bachelor
<i>1st Prize</i> , Award on Soochow University	Bachelor

📌 MISCELLANEOUS

English: IELTS 6.0

Vice Minister of Propaganda Department of Student Union

Master