

Hao Liu

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Education

East China Normal University, Shanghai, China

September 2021 - July 2024

Master's Degree in Big Data Technology and Engineering

Zhejiang Normal University, Zhejiang, China

September 2017 - July 2021

Bachelor's Degree in Software Engineering

Publications

1. **Hao Liu**, Jiacheng Liu, Feilong Tang, Peng Li, Long Chen, Jiadi Yu, Yanmin Zhu, Min Gao, Yanqin Yang, Xiaofeng Hou. "Graph Contrastive Learning for Truth Inference". *IEEE International Conference on Data Engineering (ICDE)*, 2024.
2. Jiacheng Liu, Feilong Tang, Zhijian Zheng, **Hao Liu**, Xiaofeng Hou, Long Chen, Ming Gao, Jiadi Yu, Yanmin Zhu. "Practical Network Modeling Using Weak Supervision Signals for Human-Centric Networking in Metaverse". *IEEE Journal on Selected Areas in Communications (JSAC)*, 2023.

Projects

COVID-19 QA System Based on Knowledge Graph

December 2021 - May 2022

- Extract the latest knowledge triplets from the knowledge extraction model and ensure high-quality updates to the knowledge graph through a crowdsourcing system.
- Develop a question-answering system based on knowledge graphs to adapt the model to new knowledge quickly.

Railway Overhead Line Defect Detection

September 2021 - April 2022

- Design an automated image cropping and preliminary screening algorithm to filter redundant information and solve the problem of small detected objects.
- Develop a self-supervised target detection algorithm based on a few-shot learning algorithm to reduce reliance on annotated samples.

Awards

- 2019 ACM-ICPC International Collegiate Programming Contest. EC-Final, Silver Medal
- 2019 ACM-ICPC International Collegiate Programming Contest, Nanchang Site, Silver Medal (First Place)
- 2019 ACM-ICPC International Collegiate Programming Contest, Nanjing Site, Silver Medal
- 2020 ACM-ICPC International Collegiate Programming Contest, Yinchuan Site, Silver Medal
- 2018 ACM-ICPC International Collegiate Programming Contest, Beijing Site, Bronze Medal
- 2019 China Collegiate Programming Contest, Xiamen Site, Silver Medal
- 17th Zhejiang Province Collegiate Programming Contest, Gold Medal
- 16th Zhejiang Province Collegiate Programming Contest, Silver Medal
- 2019 Team Programming Ladder Tournament, National Final, Gold Medal

Skills

Coding: Python, PyTorch, PyG, C/C++, Linux, Git, Vim, L^AT_EX

Language: English (CET-4 533, CET-6 465), Chinese (Native proficiency)