Hao Chen

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Education

Beijing Normal University — Beijing, China
M.S. in System Science — Sep 2021–Current

Beijing University of Posts and Telecommunications — Beijing, China
B.S. in Applied Physics, GPA: 3.5/4.0 — Sep 2017–June 2021

- Beijing Outstanding Graduates

Expereience

LinkedIn China & Microsoft Research Asia Alumni — Feb 2022 - May 2023
Machine Learning Engineer Intern — Spark, GNNs, PyG

- Connections empower Person-Job Fit
  - Perform data collection, data cleaning, and data analysis with Spark and SQL on LinkedIn's internal database.
  - Literature review on Person-Job Fit and Heterogeneous Graph Neural Networks.
  - Design and implement a heterogeneous graph neural network model for Person-Job Fit.
- A Hierarchical Framework with Multitask Co-Pretraining on Semi-Structured Data towards Effective Person-Job Fit
  - Participated in Experiment Design and Implementation.
  - The paper is under review by ICASSP 2024

Microsoft Research Asia Alumni — May 2023 - Current
Research Intern — LLMs, HINs, Neo4j

- Heterogeneous Information Network Question Answering
  - Introduced and developed HINQA, a pioneering dataset geared towards evaluating graph analysis capabilities in knowledge base question answering.
  - Plan to summit to NAACL 2024

Beijing Normal University — May 2023 - Current
Research Intern — Knowledge Graph Construction, Pypi, Neo4j

- Knowledge Graph Construction
  - Proposed LLM powered Domain-specific Knowledge Graph Construction System
  - It has been released as a python package, namely, **DescKGC**, which is publicly available.

Publications

1. **Hao Chen**, Lun Du, Yuxuan Lu, Qiang Fu, Xu Chen, Shi Han, Yanbin Kang, Guangming Lu, and Zi Li, "Professional Network Matters: Connections Empower Person-Job Fit", *The 17th ACM International Conference on Web Search and Data Mining (WSDM), March 2024*

Scholarships and Awards

- First-Class Scholarship, Beijing Normal University — 2022-2023
- First-Class Scholarship, Beijing Normal University — 2021-2022

Skills

- **Programing Language:** Python, SQL, Spark, Cypher, MATLAB, LaTeX
- **Machine Learning Frameworks:** PyTorch, PyTorch Geometric, TensorFlow, HuggingFace Transformers