

Dehai Min

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EDUCATION

Southeast University

09/2022 - present

M.S. in Artificial Intelligence. WAM: 85.60/100. Advisor: [Guilin Qi](#)

Monash University

09/2022 - present

M.S. in Artificial Intelligence. WAM: 80.88/100 (High Distinction). GPA:3.5/4.0

Hefei University

09/2017 - 06/2022

B.S. in Electronic and Information Engineering. WAM: 84.44/100

RESEARCH INTERESTS

Natural Language Processing, Retrieval Augmented Generation (RAG), Large Language Models, Knowledge Graphs, Question-Answering Systems, Structured Data Understanding.

INTERNSHIP

Stony Brook University

07/2024 - 11/2024

Research Intern, Remote, Advisor: [Chenyu You](#)

PUBLICATIONS AND PREPRINTS

* Refers to the authors having the equal contribution, and should be considered as co-first authors.

1. **Dehai Min***, Nan Hu*, Rihui Jin, Nuo Lin, Jiaoyan Chen, Yongrui Chen, Yu Li et al. [Exploring the Impact of Table-to-Text Methods on Augmenting LLM-based Question Answering with Domain Hybrid Data](#) (NAACL 2024).
2. **Dehai Min**, Zhiyang Xu, Guilin Qi, Lifu Huang and Chenyu You. [UniHGKR: Unified Instruction-aware Heterogeneous Knowledge Retrievers](#) (Preprinted 2024.10), [Code](#)
3. Yiming Tan*, **Dehai Min***, Yu Li, Wenbo Li, Nan Hu, Yongrui Chen, and Guilin Qi. [Can ChatGPT replace traditional KBQA models? An in-depth analysis of the question answering performance of the GPT LLM family](#) (ISWC 2023), [Code](#), cited 99 times (Google Scholar, as of November 2024).
4. Nan Hu, Yike Wu, Guilin Qi, **Dehai Min**, Jiaoyan Chen, Jeff Z. Pan, and Zafar Ali. [An empirical study of pre-trained language models in simple knowledge graph question answering](#) (WWW 2023), [Code](#).
5. Jiaqi Li, Chuanyi Zhang, Miaozeng Du, **Dehai Min**, Yongrui Chen, and Guilin Qi. [Three stream based multi-level event contrastive learning for text-video event extraction](#) (EMNLP 2023).
6. Yu Li, Shenyu Zhang, Rui Wu, Xiutian Huang, Yongrui Chen, Wenhao Xu, Guilin Qi, and **Dehai Min**. [MATEval: A Multi-Agent Discussion Framework for Advancing Open-Ended Text Evaluation](#) (DASFAA 2024).
7. Rihui Jin, Yu Li, Guilin Qi, Nan Hu, Yuan-Fang Li, Jiaoyan Chen, Jianan Wang, Yongrui Chen, and **Dehai Min**. [HGT: Leveraging Heterogeneous Graph-enhanced Large Language Models for Few-shot Complex Table Understanding](#) (preprinted 2024.03).

WORK IN PROGRESS

- 1. Yiming Tan*, **Dehai Min***, Huikang Hu, Nuo Lin, Guilin Qi, Sheng Bi et al. ELLMKGQA: Evaluation Framework of Large-language Model as Knowledge Graph on Question-Answering (submitted, under review).

PROJECT EXPERIENCE

Research Project Collaborate with Information Communications Technology (ICT) Industry, 12/2022 - 06/2024

Project Name: Complex Knowledge Extraction and Intelligent Question Generation Technology Based on Multi-task Pre-trained Language Models

I am the **student leader** responsible for the following tasks:

- 1. Multi-task Pre-trained Language Models Enhanced with Domain(or Industry) Knowledge
- 2. Model Distillation for Domain-specific LLM
- 3. Fine-tuning Domain Foundation Models for Intention Recognition Task
- 4. Enhancing Multi-turn Dialogue Performance of Domain-specific LLM

AWARDS & HONORS

Scholarships (selected)

Southeast University Xiaomi Scholarship (1/98), China	<i>Nov. 2024</i>
Southeast University Alumni Scholarship , China	<i>Oct. 2023</i>
Hefei University First-class Scholarship (Top 10%), China	<i>Oct. 2020</i>
National Encourage Scholarship, China	<i>Oct. 2019</i>

Competitions

ACM-ICPC (International Collegiate Programming Contest) Asian Regional Contest (Shanghai Site and others)	2019-2020, Silver Medal Certificate: individual/team
CCPC-Finals (China Collegiate Programming Contest National Finals)	2019, Silver Medal 21st Place Nationwide
16th Baidu Star Programming Contest National Semi-Finals	2019, 154th Place (154/13900+)
Anhui Province Collegiate Programming Contest	Champion (2020) First Prize (2019, 2020)
Codeforces Rating (International popular algorithm competition platform)	2108 (Title: Master) link