

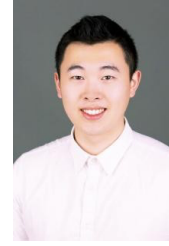
# Zifeng Ding

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## Education

**Ludwig Maximilian University of Munich**

**Jun 2021 – present**

- *Ph.D. of Computer Science (Supervisor: Volker Tresp)*
- Main focus: graph machine learning, natural language processing (NLP).

**Technical University of Munich**

**Oct 2018 - Mar 2021**

- *Master of Electrical and Computer Engineering (passed with distinction)*

**East China Normal University**

**Sept 2014 - Jun 2018**

- *Bachelor of Electrical Engineering (Microelectronics Science and Engineering)*

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## Professional Experience

**University of Cambridge**

**Oct 2024 – present**

- *Research Associate @ Cambridge NLP Group*
- Working with Prof. Andreas Vlachos. Topics include but not restricted to: temporal reasoning with large language models (LLMs), multimodal fact-checking, synthetic data generation for LLMs.

**University of Oxford**

**Apr 2024 – Oct 2024**

- *Visiting Researcher (Supervisor: Michael Bronstein)*
- Focus on graph machine learning and NLP. Topics include: state space model for dynamic graph representation learning, LLM hallucination detection and mitigation.

**European Laboratory for Learning and Intelligent Systems (ELLIS)**

**Nov 2023 - present**

- *Nominated Ph.D. at ELLIS (Supervisor: Volker Tresp, Michael Bronstein)*

**Siemens AG**

**Jun 2021 – Aug 2024**

- *Ph.D. Student*
- Implementing graph machine learning techniques and LLMs in industrial use cases. Designing LLM-based system for automated supply chain management.

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## Selected Publications (Reverse Chronological Order)

Full Publication List on Google Scholar Page: <https://scholar.google.com/citations?user=8RapuD4AAAAJ&hl=en>

- **Ding, Z.**, Wu, J., Wu, J., Xia, Y., Xiong, B., Tresp, V., **Temporal Fact Reasoning over Hyper-Relational Knowledge Graphs**, EMNLP (2024).
- **Ding, Z.**, Cai, H., Wu, J., Ma, Y., Liao, R., Xiong, B., Tresp, V., **zrLLM: Zero-Shot Relational Learning on Temporal Knowledge Graphs with Large Language Models**, NAACL (2024) Oral.

- Wang, Z., Han, Z., Chen, S., Xue, F., **Ding, Z.**, Xiao, X., Tresp, V., Torr, P., Gu, J., **Stop Reasoning! When Multimodal LLM with Chain-of-Thought Reasoning Meets Adversarial Image**, COLM (2024).
- Xia, Y. \*, Shi, L. \*, **Ding, Z.**, Henriques, J. F., Cremers, D., **Text2Loc: 3D Point Cloud Localization from Natural Language**, CVPR (2024).
- **Ding, Z.**, Qi, R., Li, Z., He, B., Wu, J., Ma, Y., Meng, Z., Chen, S., Liao, R., Han, Z., Tresp, V., **ForecastTKGQuestions: A Benchmark for Temporal Question Answering and Forecasting over Temporal Knowledge Graphs**, ISWC (2023).
- Han, Z., Liao, R., Gu, J., Zhang, Y., **Ding, Z.**, Gu, Y., Köppl, H., Schütze, H., Tresp, V., **ECOLA: Enhanced Temporal Knowledge Embeddings with Contextualized Language Representations**, ACL (2023).
- **Ding, Z.**, Wu, J., He, B., Ma, Y., Han, Z., Tresp, V., **Few-Shot Inductive Learning on Temporal Knowledge Graphs using Concept-Aware Information**, AKBC (2022) **Honorable Mention**.
- Han, Z. \*, **Ding, Z.\***, Ma, Y., Gu, Y., Tresp, V., **Learning Neural Ordinary Equations for Forecasting Future Links on Temporal Knowledge Graphs**, EMNLP (2021),\*equal contribution.

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## Honors & Awards

European Network of AI Excellence Centres (ELISE) Scholarship Apr 2024

- Award value: 5000 €.

Honorable Mention of Automated Knowledge Base Construction (AKBC) 2022 Nov 2022

- For the paper: **Few-Shot Inductive Learning on Temporal Knowledge Graphs using Concept-Aware Information**.

First Prize Scholarship for Outstanding Student of East China Normal University Nov 2017

- Award value: 8000 ¥.

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## Community Service

- Serve as reviewer including ACL Rolling Review, ICLR 25, NeurIPS 23/24, ICML 23, TNNLS.

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## Professional Skills

- Proficient skills in Python, PyTorch, Huggingface, Unix/Linux, LaTeX.
- Extensive expertise in machine learning, generative AI, meta learning and data mining.
- Language skills: Chinese (Native), English (Full Professional), German (Limited Working).