

Zheyu Zhang

AI RESEARCHER AND PH.D. CANDIDATE

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Education

PhD student in Computer Science

 TECHNICAL UNIVERSITY OF MUNICH

- Focus: Synthetic Data Generation, LLM Post-Training
- Supervisor: Prof. Dr. Gjergji Kasneci

Munich, Germany

Dec. 2024 - Present

M.Sc in Computational Linguistics

 UNIVERSITY OF MUNICH (LMU MUNICH)

- GPA: 1.33/1.0, TOP 5%

Munich, Germany

Oct. 2022 - Aug. 2024

B.Sc in Computer Science and Mathematics

 UNIVERSITY OF MUNICH (LMU MUNICH)

Munich, Germany

Apr. 2020 - Sept. 2022

Selected Publications

1. Zheyu Zhang, Shuo Yang, Bardh Prenkaj and Gjergji Kasneci. "Not All Features Deserve Attention: Graph-Guided Dependency Learning for Tabular Data Generation with Language Models." **Under Review.**
2. Shuo Yang, Zheyu Zhang, Bardh Prenkaj and Gjergji Kasneci. "Doubling Your Data in Minutes: Ultra-fast Tabular Data Generation via LLM-Induced Dependency Graphs." **Under Review.**
3. Chenchen Yuan, Zheyu Zhang, Shuo Yang, Bardh Prenkaj and Gjergji Kasneci. "Probabilistic Aggregation and Targeted Embedding Optimization for Collective Moral Reasoning in Large Language Models." **@ ACL 2025 Findings.**
4. Peiqin Lin, Chengzhi Hu, Zheyu Zhang, André FT Martins, and Hinrich Schütze. "mPLM-Sim: Better Cross-Lingual Similarity and Transfer in Multilingual Pretrained Language Models." **@ EACL 2024 Findings.**
5. Zheyu Zhang, Han Yang, Bolei Ma, David Rügamer, and Ercong Nie. "Baby's CoThought: Leveraging Large Language Models for Enhanced Reasoning in Compact Models." **@ EMNLP 2023 Workshop CoNLL-CMCL Shared Task BabyLM Challenge.**

Research Experience

Student Research Assistant

GERMAN RESEARCH CENTER FOR ARTIFICIAL INTELLIGENCE (DFKI)

- Topic: Explainability of Retrieval-Augmented Generation (RAG) with LLMs.

Berlin, Germany

Apr. 2024 - Aug. 2024

Generative AI Research Engineer Intern

ROBERT BOSCH GROUP

- Designed and developed AutoGen-based RAG pipelines using LLMs such as GPT-4 for various industrial applications.
- Enhanced database access, automated code generation, and data visualization through multi-agent collaboration powered by LLMs.

Stuttgart, Germany

Nov. 2023 - Apr. 2024

Student Research Assistant

UKP LAB, TU DARMSTADT

- Topic: AI-assisted reading application for academic peer review.

Darmstadt, Germany

Nov. 2023 - Feb. 2024

Academic Services

Conference Volunteer: ACL 2025, EACL 2024

Conference Reviewer: ECML-PKDD 2025, ACL-ARR 2025 Feb

Skills

Programming: Python, Bash, Java, JavaScript, C, SQL
ML/NLP Frameworks: PyTorch, HuggingFace Ecosystem, Microsoft Azure
Languages: Chinese (Native), English (Fluent), German (Fluent)