YANCHEN LIU

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CONTACT

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SKILLS

Programming Languages:
C/C++, Java, Python, OCaml, Verilog, MIPS Assembly, SQL...
Also hobby:
Soccer ⚽, Go (4 Dan) ⚪⚫

Language Proficiency:
English: TOEFL 111,
German: advanced,
Chinese: native

INTERESTS

My research interests lie in **Human-Centered NLP**, with a particular focus on: i) **empowering linguistic and CSS research with LLMs**; ii) **multilingual and linguistic variations**; iii) **LLM agents & simulations**; and iv) **trustworthy NLP**.

EDUCATION

2022 - 2024 (Expected)

Harvard University
MS in Data Science

Massachusetts Institute of Technology
Cross-Registration in Computer Science

2018 - 2022

Technical University of Munich
BS in Computer Science with highest Honor
Minor in Computational Linguistics at **Ludwig Maximilian University**

Major GPA: $1.2/1.0$ (3.97/4.0) Minor GPA: $1.0/1.0$ (4.0/4.0)
Rank: **top 1%**, over 70% of courses are Full-Score (1.0/A+), especially all math courses
Honor: **best.in.tum**, promotion of outstanding students

PUBLICATIONS

[1] **Yanchen Liu**, Srishti Gautam, Jiaqi Ma, and Himabindu Lakkaraju. Investigating the Fairness of Large Language Models for Predictions on Tabular Data. arXiv:2310.14607.
Under Review by ICLR 2024

[2] **Yanchen Liu**, William Held, Diyi Yang. DADA: Dialect Adaptation via Dynamic Aggregation of Linguistic Rules. arXiv:2305.13406.
2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023)

[3] Zedian Xiao, William Held, **Yanchen Liu**, Diyi Yang. Task-Agnostic Low-Rank Adapters for Unseen English Dialects.
2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023)

[4] **Yanchen Liu**, Jing Yan, Yan Chen, Jing Liu, Hua Wu. SMoA: Sparse Mixture of Adapters to Mitigate Multiple Dataset Biases. arXiv:2302.14413.
ACL 2023 Workshop on Trustworthy Natural Language Processing (TrustNLP)

[5] **Yanchen Liu**, Timo Schick, Hinrich Schütze. Semantic-Oriented Unlabeled Priming for Large-Scale Language Models. arXiv:2202.06133.
ACL 2023 Workshop on Simple & Efficient Natural Language Processing (SustaiNLP **Oral**)

[6] Qi Wu, Chong Zhang, **Yanchen Liu**. Custom Sine Waves Are Enough for Imitation Learning of Bipedal Gaits with Different Styles.
2022 IEEE International Conference on Mechatronics and Automation (ICMA). **Finalists of Toshio Fukuda Best Paper Award in Mechatroincs.**