Fangru Lin

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EDUCATION

University of Oxford

DPhil Linguistics, Philology, and Phonetics (Oxford e-Research Centre) Oct. 2023 – Present

MPhil Linguistics, Philology and Phonetics Oct. 2021– Jun. 2023

- Overall Result: **Distinction**
- Focus: **Natural Language Processing**
- Supervisor: Prof Janet Pierrehumbert, Prof Daniel Altshuler

Shanghai International Studies University (SISU)

B.A in Korean Sept. 2017 – Jul. 2021

Certificate: Honors Program (Multilingual Advanced Interpreting and Translation) Sept. 2017 – Jul. 2021

- Overall GPA: **3.83/4.0(90.91/100)**

RECENT PUBLICATIONS

[ACL 2025 main] One Language, Many Gaps: Evaluating Dialect Fairness and Robustness of Large Language Models in Reasoning Tasks *(https://arxiv.org/abs/2410.11005)*

- Collected ReDial, a dataset of Standardized English-African American Vernacular English (AAVE) parallel prompts in four canonical reasoning tasks (algorithm, math, logic, comprehensive reasoning)
- Found that SotA LLMs exhibit significant unfairness and brittleness in prompts expressed in AAVE
- Empirically showed the dialect unfairness and brittleness cannot be easily explained by AAVE data skewness and that simple prompt engineering method cannot mitigate the gap

[ICML 2024] Graph-enhanced Large Language Models in Asynchronous Plan Reasoning *(https://arxiv.org/abs/2402.02805)*

- Automatically generated benchmark to assess Large Language Models' ability to execute complex plans at scale
- Proposed an off-the-shelf method to re-structure text inputs as graphs to improve LLM performance

[LREC-COLING 2024] Probing Large Language Models for Scalar Adjective Lexical Semantics and Scalar Diversity Pragmatics *(https://arxiv.org/abs/2404.03301)*

- Probed LLMs for their knowledge of scalar adjective lexical semantics and scalar diversity pragmatics
- Provided rationales for why LLMs do not have similar performance in the semantic and pragmatic tasks

SERVICE

Alan Turing Institute

Enrichment student Oct. 2024 – Present

- Affiliated with the Alan Turing Institute as a PhD enrichment student

Microsoft Research & Microsoft Corporation

Research Intern Apr. 2024 - Oct. 2024

- Researched Large Language Models and produced a publication

Microsoft Corporation

Software Engineering Intern Jul. 2022 - Oct. 2022

- Worked for Azure Storage in the Cloud+AI team

Peer Review

ICLR, NeurIPS, ACL, TMLR, etc.

- Served as a reviewer for top-tier machine-learning conferences and journals

SELECTED AWARDS

- Alan Turing Institute Enrichment Scheme Award (Alan Turing Institute, 2024, award for PhD students)
- Clarendon Scholarship (Oxford, 2023, full funding for graduate students)
- Jason Hu Scholarship (Oxford, 2023, full funding for graduate students)

ADDITIONAL INFORMATION

- Language: Mandarin (native), English (fluent), Korean (fluent), Latin (intermediate), Japanese (beginner)
- Programming skills: Python (5-year experience), C# (3-month experience), Java (1-month experience)