

Ruixiang Cui

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EXPERTISE

Large language models (instruction tuning, prompt engineering, data curation and evaluation), deep learning-based NLP tools, cloud computing stacks (Azure, GCP, AWS), SQL databases, knowledge-base semantic parsing

EDUCATION

University of Copenhagen PhD in Computer Science, Natural Language Processing Advisors: Daniel Hershcovich, Anders Søgaard	2021-2024(<i>expected to graduate in July</i>)
Stanford University Visiting Researcher, Stanford NLP Group	2023
University of Oxford Machine Learning Summer School	2022
University of Copenhagen MSc in IT and Cognition	2018-2020
Jilin University; Complutense University of Madrid BA in Hispanic Philology	2014-2018

EXPERIENCE

Microsoft <i>Research Intern</i>	01/2023-06/2023
<ul style="list-style-type: none">• Led <i>AGIEval</i>, a benchmark for assessing the general capabilities of LLMs. Orchestrated the design and execution of data management pipelines, encompassing data collection, refinement, and analysis.• Devised and led the creation of a human workflow platform utilizing LLM for generating long-form content in AI + HCI situations, offering a customizable and scalable solution.	
University of Copenhagen <i>Teaching Assistant</i>	09/2021-12/2022
<ul style="list-style-type: none">• Taught and supervised students in three courses: Natural Language Processing (MSc), Machine Learning (BSc) and Database Design (BSc).	
Industrial and Commercial Bank of China <i>Data Analyst Intern</i>	06/2016-09/2016
<ul style="list-style-type: none">• Crafted and deployed an information extraction system for letters of credit transactions. This system significantly streamlined data processing, enhancing accuracy and efficiency in financial operations.	

SKILLS

Programming Languages	Python, Java, SQL, SPARQL, LaTeX, Visual Basic, Perl
Frameworks and Tools	PyTorch, TensorFlow, Keras, SciPy, Scikit-learn, NumPy, Pandas, Matplotlib, NLTK, OpenCV, Git, grep, Excel, Tableau
Languages	Mandarin Chinese (Native), English (Full professional), Spanish (Professional), Danish (Limited working), Portuguese (Limited working), Italian (Elementary)

HONORS & AWARDS

Excellent Internship Award
Excellent Student Leader & Second Prize Scholarship
First Prize Scholarship

Microsoft Research 2023
Jilin Univeristy 2016
Jilin Univeristy 2015

SELECTED PUBLICATIONS (CITATIONS: 318; H-INDEX: 7)

- [1] Wanjun Zhong*, **Ruixiang Cui***, Yiduo Guo, Yaobo Liang, Shuai Lu, Yanlin Wang, Amin Saied, Weizhu Chen, Nan Duan. 2024. *AGIEval: A Human-Centric Benchmark for Evaluating Foundation Models*. Findings of North American Chapter of the Association for Computational Linguistics (NAACL).
- [2] Yong Cao, Yova Kementchedjhieva, **Ruixiang Cui**, Antonia Karamolegkou, Li Zhou, Megan Dare, Lucia Donatelli, Daniel Hershcovich. 2024. *Cultural Adaptation of Recipes*. Transactions of the Association for Computational Linguistics (TACL).
- [3] **Ruixiang Cui**, Seolhwa Lee, Daniel Hershcovich, Anders Søgaard. 2023. *What does the Failure to Reason with “Respectively” in Zero/Few-Shot Settings Tell Us about Language Models?*. Annual Meeting of the Association for Computational Linguistics (ACL).
- [4] Nikolaus Schrack, **Ruixiang Cui**, Hugo A. López, Daniel Hershcovich. 2022. *Can AMR Assist Legal and Logical Reasoning?*. Findings of Conference on Empirical Methods in Natural Language Processing (EMNLP).
- [5] **Ruixiang Cui**, Rahul Aralikatte, Heather Lent, Daniel Hershcovich. 2022. *Compositional Generalization in Multilingual Semantic Parsing over Wikidata*. Transactions of the Association for Computational Linguistics (TACL, oral presentation at EMNLP).
- [6] **Ruixiang Cui**, Daniel Hershcovich, Anders Søgaard. 2022. *Generalized Quantifiers as a Source of Error in Multilingual NLU Benchmarks*. North American Chapter of the Association for Computational Linguistics (NAACL, oral).
- [7] Stephanie Brandl, **Ruixiang Cui**, Anders Søgaard. 2022. *How Conservative are Language Models? Adapting to the Introduction of Gender-Neutral Pronouns*. North American Chapter of the Association for Computational Linguistics (NAACL).
- [8] Daniel Hershcovich, Stella Frank, Heather Lent, Miryam de Lhoneux, Mostafa Abdou, Stephanie Brandl, Emanuele Bugliarello, Laura Cabello Piqueras, Ilias Chalkidis, **Ruixiang Cui**, Constanza Fierro, Katerina Margatina, Phillip Rust, Anders Søgaard. 2022. *Challenges and Strategies in Cross-Cultural NLP*. Annual Meeting of the Association for Computational Linguistics (ACL).

HOBBIES

Literature, Popular Music Criticism, Travelling, Philosophy, Art, Biking, Running