

Chenxi Whitehouse

RESEARCH SCIENTIST · NLP · LLM · META GENAI

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Professional Experience

RESEARCH

- 2024-2025 **Research Scientist, Meta GenAI**, London, UK
- 2024 **Applied Research Scientist, Amazon AGI**, Cambridge, UK
- 2023 **Research Intern, Google DeepMind**, Amsterdam, Netherlands
- 2023 **Research Assistant, Mohamed Bin Zayed University of Artificial Intelligence (MBZUAI)**, Remote
- 2022 **Research Intern, Amazon**, Alexa AI, Cambridge, UK
- 2021 **Research Intern, Huawei**, Noah's Ark Lab, London, UK

ENGINEERING

- 2021-2024 **Machine Learning Engineer**, Replicate AI, Remote
- 2019-2020 **Software Engineer**, HP Inc, London, UK
- 2018 **Software Engineer Intern**, Siemens AG, Nuremberg, Germany

Education

University of Cambridge

Cambridge, UK

POSTDOC RESEARCH ASSOCIATE IN NATURAL LANGUAGE PROCESSING

2024

City, University of London

London, UK

PHD IN COMPUTER SCIENCE, NATURAL LANGUAGE PROCESSING

2020 - 2023

- Thesis: Towards Knowledge-Grounded Natural Language Understanding and Generation.
- Research Focus: Knowledge-intensive NLP, Multilingual NLP

University College London & University of Erlangen-Nuremberg

London, UK & Erlangen, Germany

MSC ELECTRICAL ENGINEERING & SIGNAL PROCESSING

2015 - 2018

Xi'an Jiaotong University

Xi'an, China

BSC INFORMATION & COMPUTER ENGINEERING

2011 - 2015

Selected Publications

PUBLISHED

1. Zhangdie Yuan, **Chenxi Whitehouse**[†], Eric Chamoun[†], Rami Aly[†], Andreas Vlachos. “PROBELM: Plausibility Ranking Evaluation for Language Models”. In *First Conference on Language Modeling: **CoLM 2024***. [†Equal Contribution]
2. David Romero, Chenyang Lyu, Haryo Akbarianto Wibowo, ..., **Chenxi Whitehouse**, ..., Tamar Solorio, and Alham Fikri Aji. “CVQA: Culturally-diverse Multilingual Visual Question Answering Benchmark”. In *Advances in Neural Information Processing Systems: **NeurIPS 2024***.
3. Holy Lovenia, Rahmad Mahendra, Salsabil Maulana Akbar, ..., **Chenxi Whitehouse**, ..., and Samuel Cahyawijaya. “SEA-Crowd: A Multilingual Multimodal Data Hub and Benchmark Suite for Southeast Asian Languages”. In *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing: **EMNLP 2024***.
4. **Chenxi Whitehouse**, Fantine Huot, Jasmijn Bastings, Mostafa Dehghani, Chu-Cheng Lin, and Mirella Lapata. “Low-Rank Adaptation for Multilingual Summarisation: An Empirical Study”. In *Findings of the Association for Computational Linguistics: **NAACL 2024***. (Work conducted as research intern at Google DeepMind)
5. Yuxia Wang, Jonibek Mansurov, Petar Ivanov, Jinyan Su, Artem Shelmanov, Akim Tsvigun, **Chenxi Whitehouse**, Osama Mohammed Afzal, Tarek Mahmoud, Alham Fikri Aji, and Preslav Nakov. “M4: Multi-generator, Multi-domain, and Multi-

lingual Black-Box Machine-Generated Text Detection”. In *Proceedings of the 18th Conference of the European Chapter of the Association for Computational Linguistics: **EACL 2024***. (Best Resource Paper Award)

6. **Chenxi Whitehouse**, Monojit Choudhury, and Alham Fikri Aji. “LLM-powered Data Augmentation for Enhanced Cross-lingual Performance”. In *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing: **EMNLP 2023***. (Work conducted as visiting researcher at MBZUAI)
7. **Chenxi Whitehouse**, Clara Vania, Alham Fikri Aji, Christos Christodoulopoulos, and Andrea Pierleoni. “WebIE: Faithful and Robust Information Extraction on the Web”. In *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics: **ACL 2023***. (Work conducted as research intern at Amazon)
8. **Chenxi Whitehouse**, Tillman Weyde, and Pranava Madhyastha. “Towards a Unified Model for Generating Answers and Explanations in Visual Question Answering”. In: *Findings of the Association for Computational Linguistics: **EACL 2023***.
9. **Chenxi Whitehouse**, Fenia Christopoulou, and Ignacio Iacobacci. “EntityCS: Improving Zero-Shot Cross-lingual Transfer with Entity-Centric Code Switching”. In: *Findings of the Association for Computational Linguistics: **EMNLP 2022***. (Work conducted as research intern at Huawei)
10. **Chenxi Whitehouse**, Tillman Weyde, Pranava Madhyastha, and Nikos Komninos. “Evaluation of Fake News Detection with Knowledge-Enhanced Language Models”. In: *Proceedings of the Sixteenth International AAAI Conference on Web and Social Media: **AAAI-ICWSM 2022***.

PREPRINT

11. Dongqi Liu, **Chenxi Whitehouse**, Xi Yu, Louis Mahon, Rohit Saxena, Zheng Zhao, Yifu Qiu, Mirella Lapata, and Vera Demberg. “What Is That Talk About? A Video-to-Text Summarization Dataset for Scientific Presentations”.
12. Xiaochen Zhu, Georgi Karadzhov, **Chenxi Whitehouse**, and Andreas Vlachos. “Segment-Level Diffusion: A Framework for Controllable Long-Form Generation with Diffusion Language Models”.
13. Chu-Cheng Lin, Xinyi Wang, Jonathan H. Clark, Yun Zhu, Han Lu, **Chenxi Whitehouse**, and Hongkun Yu. “Inducing Generalization across Languages and Tasks using Featurized Low-Rank Mixtures”. (Work conducted as research intern at Google DeepMind)

Additional Experiences and Awards

- 2024 **Area Chair**, COLING 2025
- 2024 **Seventh FEVER Workshop Organisation**, co-located with EMNLP 2024, Miami, Florida
- 2024 **SemEval-2024 Task-8 Organisation**, co-located with NAACL 2024, Mexico City, Mexico
- 2023 **EMNLP 2023 Student Volunteer**, Singapore
- 2022 **EMNLP 2022 Student Volunteer**, Abu Dhabi
- 2022 **Lisbon Machine Learning School**, Instituto Superior Técnico, with Google Scholarship
- 2022 **Oxford Machine Learning Summer School**, University of Oxford
- 2020-2023 **PhD Studentship**, City, University of London
- 2016-2017 **Erasmus Scholarship**, University College London
- 2012-2015 **Outstanding Student Scholarship**, Xi'an Jiaotong University