# Chenxi Whitehouse

POSTDOC RESEARCH ASSOCIATE · NLP · UNIVERSITY OF CAMBRIDGE

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## Professional Experience

### RESEARCH

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| 2024 | **Postdoc Research Associate, University of Cambridge**, 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

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

## Education

**City, University of London** — *London, UK*
PHD IN COMPUTER SCIENCE, NATURAL LANGUAGE PROCESSING — *2020 - 2023*
- Thesis: Towards Knowledge-Grounded Natural Language Understanding and Generation

**University College London & University of Erlangen** — *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. **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)*

2. 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)*

3. **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)*

4. **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 Linguistic: **ACL 2023**. (Work conducted as research intern at Amazon)*

5. **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**.*

6. **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)*

7. **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

8. Zhangdie Yuan, Eric Chamoun*, Rami Aly*, **Chenxi Whitehouse***, Andreas Vlachos. "PRobELM: Plausibility Ranking Evaluation for Language Models". [*Equal Contribution. Submitted to CoLM 2024]

9. Chu-Cheng Lin, Xinyi Wang, Jonathan H. Clark, Yun Zhu, Han Lu, **Chenxi Whitehouse**, Hongkun Yu. "Inducing Generalization across Languages and Tasks using Featurized Low-Rank Mixtures". *(Work conducted as research intern at Google DeepMind)* [Submitted to CoLM 2024]

## Additional Experiences and Awards

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| 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 |