

Chenxi Whitehouse

POSTDOC RESEARCHER · NLP · UNIVERSITY OF CAMBRIDGE

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Professional Experience

RESEARCH

- 2024 **Postdoc Researcher, 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

- 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

Publications

PUBLISHED

1. **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).
2. **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)
3. **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*.
4. **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).
5. **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

6. **Chenxi Whitehouse**, Fantine Huot, Jasmijn Bastings, Mostafa Dehghani, Chu-Cheng Lin, and Mirella Lapata. "Parameter-Efficient Multilingual Summarisation: An Empirical Study". (Work conducted as research intern at Google DeepMind).

7. 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 Multilingual Black-Box Machine-Generated Text Detection”.
8. Chu-Cheng Lin, Xinyi Wang, Jonathan H. Clark, Yun Zhu, Han Lu, **Chenxi Whitehouse**, Hongkun Yu. “Multitask Multilingual Modeling with Featurized Low-Rank Mixtures”.

Additional Experiences and Awards

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| 2023 | SemEval-2024 Task Organisation , Multidomain, Multimodal and Multilingual Machine-Generated Text Detection |
| 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 |