Chenxi Whitehouse

PhD Student · Natural Language Processing

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Education

City, University of London *London, UK*
PhD in Computer Science, Natural Language Processing *2020 - 2023*
- Advisor: Dr. Tillman Weyde and Dr. Pranava Madhyastha
- Topic: Knowledge-Grounded Natural Language Understanding and Generation

University College London & University of Erlangen *London, UK & Erlangen, Germany*
MSc Electrical Engineering & Signal Processing *2015 - 2018*
- Advisor: Prof. Dr.-Ing. André Kaup and Prof. Dr.-Ing. Walter Kellermann
- Topic: Speech and Text Processing, Image Processing

Xi'an Jiaotong University *Xi'an, China*
BSc Information & Computer Engineering *2011 - 2015*

Professional Experience

2023	**Research Intern, Google DeepMind**, Amsterdam, Netherlands
2023	**Visiting Researcher, Mohamed Bin Zayed University of Artificial Intelligence (MBZUAI),** Remote
2022	**Research Intern, Amazon,** Alexa AI, Cambridge, United Kingdom
2021	**Research Intern, Huawei,** Noah's Ark Lab, London, United Kingdom
2021-2023	**Machine Learning Engineer,** Replicate AI, Remote
2019-2020	**Computer Vision Engineer,** HP Inc, London, UK
2018	**Computer Vision Engineer Intern,** Siemens AG, Nuremberg, Germany

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**

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 Linguistic:* **ACL 2023**

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**

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, and Mirella Lapata. "Exploring LoRA for Multilingual Generation and Cross-lingual Transfer".

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".

Additional Experiences and Awards

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