

# Chenxi Whitehouse

PHD STUDENT · NATURAL LANGUAGE PROCESSING

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## Education

### City, University of London

PHD IN COMPUTER SCIENCE, NATURAL LANGUAGE PROCESSING

- Advisor: Dr. Tillman Weyde and Dr. Pranava Madhyastha
- Topic: Knowledge-Grounded Natural Language Understanding and Generation

London, UK

2020 - 2023

### University College London & University of Erlangen

MSc ELECTRICAL ENGINEERING & SIGNAL PROCESSING

- Advisor: Prof. Dr.-Ing. André Kaup and Prof. Dr.-Ing. Walter Kellermann
- Topic: Speech and Text Processing, Image Processing

London, UK & Erlangen, Germany

2015 - 2018

### Xi'an Jiaotong University

BSc INFORMATION & COMPUTER ENGINEERING

Xi'an, China

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

### PREPRINT

1. **Chenxi Whitehouse**, Monojit Choudhury and Alham Fikri Aji. "LLM-powered Data Augmentation for Enhanced Crosslingual Performance". *[EMNLP 2023 Under Review]*
2. Yuxia Wang, Jonibek Mansurov, Petar Ivanov, Jinyan Su, Artem Shelmanov, Akim Tsvigun, **Chenxi Whitehouse**, Osama Mohammed Afzal, Tarek Mahmoud, Alham Fikri Aji, Preslav Nakov. "M4: Multi-generator, Multi-domain, and Multilingual Black-Box Machine-Generated Text Detection". *[EMNLP 2023 Under Review]*
3. **Chenxi Whitehouse**, et al., "Retrieval Augmented Diffusion Language Models".

### PUBLISHED

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 Linguistics: ACL 2023*
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*
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*