Chenxi Whitehouse

PhD Student · Natural Language Processing

+44 7388253568 | chenxi.whitehouse@city.ac.uk | github.com/chenxwh | linkedin.com/in/chenxwh

Education

City, University of London — *London, UK*
PhD in Computer Science, Natural Language Processing — *2020 - present*
- 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

2022	**Research Scientist Intern**, Amazon Alexa AI, London, UK
	Generative Information Extraction and Fact Verification, Retrieval-Augmented Language Models
2021	**Research Scientist Intern**, Huawei Noah's Ark Lab, London, UK
	Multilinguality, Code-Switching, Language Models Pre-training
2021-2022	**Machine Learning Engineer**, Replicate AI, Seattle, US (remote)
	Implementing state-of-the-art machine learning models on the reproducible platform
2019-2020	**Computer Vision Engineer**, HP Inc, London, UK
2018	**Computer Vision Engineer Intern**, Siemens AG, Nuremberg, Germany

Publications

Published

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)

Chenxi Whitehouse, Fenia Christopoulou and Ignacio Iacobacci. "Improving Zero-Shot Cross-lingual Transfer with Entity-Centric Code Switching". In: *The 2022 Conference on Empirical Methods in Natural Language Processing* (**EMNLP** 2022)

Under review/to appear

Chenxi Whitehouse, Tillman Weyde and Pranava Madhyastha. "Towards Jointly Generating Answers and Explanations for Visual Question Answering and Commonsense Reasoning". (ARR)

Additional Experiences and Awards

2022	**Lisbon Machine Learning School**, Instituto Superior Técnico, with Google Scholarship
	Oxford Machine Learning Summer School, University of Oxford
2020-2024	**PhD Studentship**, City, University of London
2016-2017	**Erasmus Scholarship**, University College London
2012-2015	**Outstanding Student Scholarship**, Xi'an Jiaotong University