

# 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 - 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, Fact Verification, Retrieval-Augmented Language Models
- 2021 **Research Scientist Intern**, Huawei Noah's Ark Lab, London, UK  
Multilinguality, Code-Switching, Language Models Pre-training
- 2021-2023 **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

- 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*
- 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**, Tillman Weyde and Pranava Madhyastha. "Towards a Unified Model for Generating Answers and Explanations in Visual Question Answering" (*EACL 2023*).
- Chenxi Whitehouse**, Clara Vania, Alham Fikri Aji and Christos Christodoulopoulos. "WebIE: Faithful and Robust Information Extraction on the Web" [*ACL 2023 Under Review*].

## Additional Experiences and Awards

- 2022 **EMNLP 2022 Student Volunteer**, Abu Dhabi  
**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