

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 - present

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

- 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. "EntityCS: Improving Zero-Shot Cross-lingual Transfer with Entity-Centric Code Switching". In: *Findings of the Association for Computational Linguistics: EMNLP 2022*

UNDER REVIEW/TO APPEAR

Chenxi Whitehouse, Tillman Weyde and Pranava Madhyastha. "Towards a Unified Model for Generating Answers and Explanations in Visual Question Answering". (**EACL 2023**)

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