CAN CUI

PhD Candidate in Computer Science

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RESEARCH DOMAINS

Multichannel multi-speaker speech recognition, speaker separation, speaker diarization

EDUCATION

Doctor of Philosophy| ***Computer Science*** Oct. 2021 – Present
University of Lorraine Nancy, France

Master of Science | ***Language and Computer Science*** Aug. 2019 – Sep. 2021
Sorbonne University Paris, France

Master of Science | ***General French Linguistics*** Aug. 2018 – Sep. 2020
Sorbonne University Paris, France

University Diploma in French Studies C2 Sep. 2017 – May 2018
Université Lumière Lyon 2 Lyon, France

Bachelor of Arts | ***French language and literature*** Aug. 2013 – Aug. 2017
University of Yunnan Kunming, China

WORK EXPERIENCE

PhD candidate Oct. 2021 – Present
Inria Nancy, France

- Creation of end-to-end multichannel multi-talker automatic speech recognition model
- Development of a multichannel separation system with Transformer
- Creation of a pipeline for meeting transcription

R&D researcher Aug. 2022 – Feb. 2024
Vivoka Metz, France

- Creation of a proof of concept for Dictation product: ASR with punctuation
- creation of a proof of concept for automatic transcription of multichannel and multi-speaker meetings

AI Research Intern Mar. 2021 – Aug. 2021
Orange Paris, France

- Automatic transformation and construction of abstract and extractive summaries
- Automatic classifications of emotions within the conversations

PREPRINTS

Can Cui, Imran Sheikh, Mostafa Sadeghi, Emmanuel Vincent, **End-to-end Joint Rich and Normalized ASR with a limited amount of rich training data**, *November 2023.*

CONFERENCE PAPERS

Can Cui, Imran Sheikh, Mostafa Sadeghi, Emmanuel Vincent, **End-to-end Multichannel Speaker-Attributed ASR: Speaker Guided Decoder and Input Feature Analysis**, *2023 IEEE Automatic Speech Recognition and Understanding Workshop (ASRU), December 2023.*

SKILLS

Languages: Chinese (Native), French (C2), English (B2), German (A2)
Programming: Python (advanced), C++ (beginner), MATLAB (beginner)