

EDUCATION	The University of Texas at Austin , Austin, USA Ph.D. Student, Computer Science Advisor: Prof. David Harwath Shanghai Jiao Tong University , Shanghai, China B.E. in Information Engineering Advisor: Prof. Xie Chen Shanghai Jiao Tong University , Shanghai, China Zhiyuan Honors Program of Engineering	August 2024 - Present September 2020 - June 2024 September 2020 - June 2024
EMPLOYMENT	Microsoft Research Asia Research Intern (Supervisor: Lei He, Xu Tan) The University of Texas at Austin , SALT Lab Visiting Scholar (Supervisor: David Harwath, Eunsol Choi) Shanghai Jiao Tong University , X-Lance Lab Research Intern (Supervisor: Xie Chen)	Apr 2024 - Aug 2024, Beijing, China July 2023 - Jan 2024, Austin, USA Dec 2021 - Present, Shanghai, China
SELECTED AWARDS & HONORS	Shanghai Outstanding Graduates SenseTime Scholarship for Undergraduate AI Researchers (30 winners nationwide each year), SenseTime Rongchang Science and Technology Innovation Scholarship (<0.1%) Shanghai Rongchang Public Welfare Foundation Best Student Paper Shortlist , INTERSPEECH Zhiyuan College Honors Scholarship (TOP 10%) , Zhiyuan College Tencent Scholarship (TOP 2%) , Tencent Technology (Shenzhen) Co., Ltd.	2024 2023 2023 2023 2020-2024 2021
PUBLICATIONS BEFORE PH.D.	<ul style="list-style-type: none">[1] EmoBox: Multilingual Multi-corpus Speech Emotion Recognition Toolkit and Benchmark. Ziyang Ma, Mingjie Chen, Hezhao Zhang, Zhisheng Zheng, Wenxi Chen, Xiquan Li, Jiaxin Ye, Xie Chen, Thomas Hain INTERSPEECH 2024.[2] Emotion2vec: Self-Supervised Pre-Training for Speech Emotion Representation. Ziyang Ma, Zhisheng Zheng, Jiaxin Ye, Jinchao Li, Zhifu Gao, Shiliang Zhang, Xie Chen Findings of ACL, 2024.[3] BAT: Learning to Reason about Spatial Sounds with Large Language Models. Zhisheng Zheng, Puyuan Peng, Ziyang Ma, Xie Chen, Eunsol Choi, David Harwath International Conference on Machine Learning (ICML), 2024.[4] EAT: Self-Supervised Pre-Training with Efficient Audio Transformer. Wenxi Chen, Yuzhe Liang, Ziyang Ma, Zhisheng Zheng, Xie Chen International Joint Conference on Artificial Intelligence (IJCAI), 2024.[5] Leveraging speech ptm, text llm, and emotional tts for speech emotion recognition. Ziyang Ma, Wen Wu, Zhisheng Zheng, Yiwei Guo, Qian Chen, Shiliang Zhang, Xie Chen International Conference on Acoustics, Speech, and Signal Processing (ICASSP; oral), 2024.[6] Fast-HuBERT: An Efficient Training Framework for Self-Supervised Speech Representation Learning.	

Guanrou Yang, Ziyang Ma, **Zhisheng Zheng**, Yakun Song, Zhikang Niu, Xie Chen
IEEE Automatic Speech Recognition and Understanding Workshop (ASRU), 2023.

- [7] Exploring Effective Distillation of Self-Supervised Speech Models for Automatic Speech Recognition.

Yujin Wang, Changli Tang, Ziyang Ma, **Zhisheng Zheng**, Xie Chen, Wei-Qiang Zhang
IEEE Automatic Speech Recognition and Understanding Workshop (ASRU), 2023.

- [8] MT4SSL: Boosting Self-Supervised Speech Representation Learning by Integrating Multiple Targets.

Ziyang Ma, **Zhisheng Zheng**, Changli Tang, Yujin Wang, Xie Chen
INTERSPEECH 2023. **Best student paper shortlist.**

- [9] Unsupervised Active Learning: Optimizing Labeling Cost-Effectiveness for Automatic Speech Recognition.

Zhisheng Zheng, Ziyang Ma, Yu Wang, Xie Chen
INTERSPEECH 2023.

- [10] Pushing the Limits of Unsupervised Unit Discovery for SSL Speech Representation.

Ziyang Ma, **Zhisheng Zheng**, Guanrou Yang, Yu Wang, Chao Zhang, Xie Chen
INTERSPEECH 2023.

- [11] Front-End Adapter: Adapting Front-End Input of Speech based Self-Supervised Learning for Speech Recognition.

Xie Chen, Ziyang Ma, Changli Tang, Yujin Wang, **Zhisheng Zheng**
International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2023.

SERVICES

Conference Reviewer/Program Committee:
ACL 2024, EMNLP 2024