

Zhisheng Zheng

The University of Texas at Austin, Austin, TX, USA

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👤 Homepage | 📧 Scholar | 🐙 Github | 🐦 twitter

EDUCATION

- **Visiting Scholar of Computer Science** Austin, USA
College of Natural Science, The University of Texas at Austin May 2023 - Jan 2024
- **Member of Zhiyuan Honors Program of Engineering** Shanghai, China
Zhiyuan College, Shanghai Jiao Tong University Sept. 2020 - June 2024 (expected)
- **Bachelor of Electrical Engineering** Shanghai, China
Shanghai Jiao Tong University Sept. 2020 - June 2024 (expected)

REPRESENTATIVE PUBLICATIONS

- **BAT: Learning to Reason about Spatial Sounds with Large Language Models**
Zhisheng Zheng, Puyuan Peng, Ziyang Ma, Xie Chen, Eunsol Choi, David Harwath —ICML 2024
- **EAT: Self-Supervised Pre-Training with Efficient Audio Transformer**
Wenxi Chen, Yuzhe Liang, Ziyang Ma, Zhisheng Zheng, Xie Chen. —IJCAI 2024
- **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. —ICASSP 2024
- **Emotion2vec: Self-Supervised Pre-Training for Speech Emotion Representation**
Ziyang Ma, Zhisheng Zheng, Jiaxin Ye, Jinchao Li, Zhifu Gao, Shiliang Zhang, Xie Chen. —preprint
- **Fast-HuBERT: An Efficient Training Framework for Self-Supervised Speech Representation Learning**
Guanrou Yang, Ziyang Ma, Zhisheng Zheng, Yakun Song, Zhikang Niu, Xie Chen. —ASRU 2023
- **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. —ASRU 2023
- **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
- **Unsupervised Active Learning: Optimizing Labeling Cost-Effectiveness for Automatic Speech Recognition**
Zhisheng Zheng, Ziyang Ma, Yu Wang, Xie Chen. —INTERSPEECH 2023
- **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
- **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. —ICASSP 2023

AWARDS & HONORS

- Shanghai Outstanding Graduates 2024
- Best Student Paper Shortlist, INTERSPEECH 2023
- SenseTime Scholarship for Undergraduate AI Researchers (30 winners nationwide each year) 2023
- Rongchang Science and Technology Innovation Scholarship (<0.1%) 2023
- Tencent Scholarship (Top 2%) 2021
- Zhiyuan College Honors Scholarship (Top 5%) 2020-2024

SKILLS

- **Coding:** Python (Pytorch), C/C++, Bash.
- **Languages:** Chinese (Native), English (TOEFL 104).