

Xintong Wang

AI RESEARCH ENGINEER · SPEECH AND SINGING VOICE

Singapore

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“Be the change that you want to see in the world.”

Summary

Research Assistant in School of Computing at National University of Singapore. Machine Learning Engineer in Xiaobing.ai (formerly Microsoft Xiaolce team). 3+ years of experience specializing in AI speech and singing voice, large-scale software development. Always keep a sharp mind in both academics and industry. Super excited about making an impactful product with new possibilities.

Work Experience

Sound and Music Computing Lab

Singapore, Singapore

RESEARCH ASSISTANT · SCHOOL OF COMPUTING · NATIONAL UNIVERSITY OF SINGAPORE

Oct. 2023 - Present

- Developed and deployed the Mandarin Chinese speech assessment and accent Text-to-Speech models.
- Optimized ASR performance for second-language (L2) mispronunciation detection and diagnosis (MDD).

Xiaobing.ai

Beijing, China

MACHINE LEARNING ENGINEER

Jul. 2022 - Oct. 2023

- Investigated few-shot Singing voice Conversion (SVC) model and multi-language Singing Voice Synthesis (SVS) acoustic model.
- Developed SVC acoustic model with singing parameters and built a parameter prediction model for inference stage.
- Designed and robust high-fidelity Singing Voice Vocoders
- Deployed and maintained Automatic Speech Recognition (ASR) services.
- Researched phoneme timestamps prediction and correction models.

Xiaobing.ai

Beijing, China

SPEECH RECOGNITION INTERN

May 2021 - Jul. 2022

- Built N-gram Language Models from a large-scale corpus of several domains.
- Designed a program that automatically synthesizes a mashup song via X-Studio 1.8.

Publications

CrossSinger: A Cross-Lingual Multi-Singer High-Fidelity Singing Voice Synthesizer Trained on Monolingual Singers

XINTONG WANG, CHANG ZENG, JUN CHEN, CHUNHUI WANG

ASRU2023

A 2D Convolutional Gating Mechanism for Mandarin Streaming Speech Recognition

XINTONG WANG, CHUANGANG ZHAO

Information, 12.4 (2021): 165.

Education

Beijing Forestry University

Beijing, China

B.S. IN MATHEMATICS AND APPLIED MATHEMATICS

2018 - 2022

Honors and Awards

Honorable Mention

COMAP MATHEMATICAL CONTEST IN MATHEMATICAL CONTEST IN MODELING

2020