Jinlong Xue

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☰ Introduction

I am a deep learning researcher interested in everything towards Conversational AI, including Expressive Speech Synthesis, Conversational Speech Synthesis, Open-domain Dialog, Empathic Computing, Natural Language Processing (NLP), Generative Models, and Human-Computer Interaction (HCI).

🎓 Education

Beijing University of Posts and Telecommunications (BUPT), Beijing, China   2022 – Present

Master student in Artificial Intelligence (AI), expected June 2025

- **IELTS 7**; **First-class Scholarship**
- Coursework: Computational Linguistics, Machine Vision, Matrix Theory
- Research on Speech Synthesis (TTS) and Spoken Dialogue System

Beijing University of Posts and Telecommunications (BUPT), Beijing, China   2018 – 2022

B.S. in Computer Science (CS)

- GPA: **3.75/4**; Rank: **25/396 (6%)**; Second-class Scholarship
- Coursework: Computer Networks, Operating System, Information and Knowledge Acquisition, Probability Theory and Mathematical Statistics, Discrete Mathematics, Machine Learning, Data Structures, Python

👥 Experience

Unisound Inc. Beijing, China   Jan. 2022 – June. 2022

Intern   College-Enterprise Cooperation

Brief introduction: Research on Chinese multi-emotion speech synthesis

- Survey on latest papers related to multi-emotion speech synthesis
- Improve the continuous controllability of different emotions and achieve better performance

🔖 Publications

- CMCU-CSS: Enhancing Naturalness via Commonsense-based Multi-modal Context Understanding in Conversational Speech Synthesis

  Yayue Deng*, **Jinlong Xue***, Fengping Wang, Yingming Gao, Ya Li

  *Submitted to ACM International Conference on Multimedia (**MM**), 2023*

- M2-CTTS: End-to-End Multi-Scale Multi-Modal Conversational Text-to-Speech Synthesis

  Jinlong Xue, Yayue Deng, Fengping Wang, Ya Li, Yingming Gao, Jianhua Tao, et al.

  *Accepted by IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP**), 2023*

- ECAPA-TDNN for Multi-speaker Text-to-speech Synthesis

  Jinlong Xue, Yayue Deng, Yichen Han, Ya Li, Jianqing Sun, Jiaen Liang

  *Accepted by IEEE International Symposium on Chinese Spoken Language Processing (**ISCSLP**), 2022*

- Rhythm-controllable Attention with High Robustness for Long Sentence Speech Synthesis

  Dengfeng Ke, Yayue Deng, Yukang Jia, **Jinlong Xue**, Qi Luo, Ya Li, et al.

  *Accepted by IEEE International Symposium on Chinese Spoken Language Processing (**ISCSLP**), 2022*

⚙ SKILLS

- Programming: Python (proficient), C++, JavaScript, C, LaTeX, SQL
- Languages: English (Fluent), Chinese - Mandarin (native)
- Interest: Swimming (member of school team), Tennis, Skiing, Flute, Electric Guitar