

XUEYAO ZHANG 张雪遥

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EDUCATION

School of Data Science, The Chinese University of Hong Kong, Shenzhen Sept 2022 – June 2026

- Ph.D. student in Data Science
- Areas of Study: Audio, Music, and Speech Generation
- Advisor: Professor Zhizheng Wu
- GPA: 3.82 / 4.00

Institute of Computing Technology, Chinese Academy of Sciences Sept 2019 – June 2022

- Master in Computer Application Technology (being recommended for admission)
- Areas of Study: Fake News Detection, Fact Checking
- Advisor: Professor Juan Cao
- GPA: 3.79 / 4.00, Math-related courses: 91 / 100

School of Computer Science, Wuhan University Sept 2015 – June 2019

- B.Eng. in Software Engineering
- GPA: 3.83 / 4.00, Ranking: 4 / 246 (Top 1.6%)
- Math-related courses: Advanced Mathematics (95), Linear Algebra (94), Discrete Mathematics (93)

PUBLICATIONS

First-author and Co-first-author:

1. Advancing Zero-shot Text-to-Speech Intelligibility across Diverse Domains via Preference Alignment. ACL 2025.
2. Vevo: Controllable Zero-Shot Voice Imitation with Self-Supervised Disentanglement. ICLR 2025.
3. Amphion: An Open-Source Audio, Music and Speech Generation Toolkit. IEEE SLT 2024. (*over 9,000 stars at GitHub*)
4. Leveraging Diverse Semantic-based Audio Pretrained Models for Singing Voice Conversion. IEEE SLT 2024.
5. Structure-Enhanced Pop Music Generation via Harmony-Aware Learning. ACM MM 2022.
6. Integrating Pattern- and Fact-based Fake News Detection via Model Preference Learning. CIKM 2021.
7. Mining Dual Emotion for Fake News Detection. WWW 2021. (*over 400 citations*)

Other Selective Works:

1. MaskGCT: Zero-Shot Text-to-Speech with Masked Generative Codec Transformer. ICLR 2025.
2. An Investigation of Time-Frequency Representation Discriminators for High-Fidelity Vocoder. IEEE TASLP, 2024.
3. Multi-Scale Sub-Band Constant-Q Transform Discriminator for High-Fidelity Vocoder. ICASSP 2024
4. Zoom Out and Observe: News Environment Perception for Fake News Detection. ACL 2022.
5. Article Reranking by Memory-Enhanced Key Sentence Matching for Detecting Previously Fact-Checked Claims. ACL 2021.

My full publication list can be seen in [Google Scholar](#).

INTERNSHIPS

ByteDance (Research Intern @Shenzhen, China)

#Speech LLM#, #Multi-modal LLM#, #Post-Training#

Aug 2025 –

Meta (*Research Scientist Intern @California, USA*)

May 2024 – Sept 2024

#Text to Speech#, #Voice Conversion#, #Accent Conversion#

WeChat, Tencent (*Research Intern @Beijing, China*)

June 2023 – May 2024

#Music Generation#, #Singing Voice Conversion#

ACADEMIC SERVICES

Reviewer

- Conferences: ICLR, NeurIPS, ACL, EMNLP, MM, ICASSP, ASRU, SLT, etc.
- Journals: IEEE Transactions on Audio, Speech and Language Processing (TASLP), Information Processing and Management (IP&M), etc.

Student Volunteer

- IEEE Spoken Language Technology Workshop 2024, Macau, China

Competition Organizer

- The Singing Voice Conversion Challenge 2025. Co-organized with researchers from Nagoya University, Carnegie Mellon University, and National Institute of Informatics.

Teaching Assistant

- Fall 2017, Object-Oriented Programming (JAVA), Wuhan University
- Fall 2022, CSC3100 Data Structures, CUHK-Shenzhen
- Spring 2023, CSC3160/MDS6002 Fundamentals of Speech and Language Processing, CUHK-Shenzhen, Best Teaching Assistant.
- Fall 2023, CSC4130 Introduction to Human-Computer Interaction, CUHK-Shenzhen.
- Spring 2024, CSC4050, Computing Capstone, CUHK-Shenzhen.
- Fall 2024, CSC1001 Introduction to Computer Science: Programming Methodology, CUHK-Shenzhen.

HONORS AND AWARDS

1. Tencent Rhino-Bird Talent Program 腾讯犀牛鸟精英人才计划 (Top 50+ of China, 2023)
2. National Graduate Scholarship, Ministry of Education of China 研究生国家奖学金 (Top 0.2%, 2021)
3. National Undergraduate Scholarship, Ministry of Education of China 本科生国家奖学金 (Top 0.2%, 2016)
4. Third place at Campus Singer Competition, University of Chinese Academy of Sciences 中国科学院大学校园歌手大赛季军 (Top 3, 2020)
5. Outstanding Graduate, University of Chinese Academy of Sciences 中国科学院大学优秀毕业生 (Top 5%, 2022)
6. Outstanding Graduate, Beijing Municipal Education Commission 北京市优秀毕业生 (Top 5%, 2022)
7. Excellent Bachelor Thesis, Wuhan University 武汉大学优秀毕业论文 (Top 5%, 2019)
8. First price in Chinese High School Mathematics League 全国高中数学联赛一等奖 (Top 50 in Henan, 2014)
9. Merit Student, University of Chinese Academy of Sciences 中国科学院大学三好学生 (2020; 2021; 2022)
10. Merit Student and Outstanding Student Leaders, Wuhan University 武汉大学三好学生、优秀班干部 (2016; 2017; 2018)

MUSICAL ABILITIES

- Familiar with the basic music theory.
- Familiar with the common musical genres.
- Proficient in playing pop keyboard.
- Proficient in pop singing and familiar with Bel canto.