

# XUEYAO ZHANG 张雪遥

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## EDUCATION

### School of Data Science, The Chinese University of Hong Kong, Shenzhen

Sept. 2022 –

- Ph.D. student in Data Science
- Areas of Study: Audio, Music, and Speech Generation
- Advisor: Professor Zhizheng Wu
- GPA: 3.70 / 4.00

### Institute of Computing Technology, Chinese Academy of Sciences

Sept. 2019 – Jun. 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 – Jun. 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

1. **Xueyao Zhang**, et al. Vevo: Controllable Zero-Shot Voice Imitation with Self-Supervised Disentanglement. *ICLR 2025*.
2. Yuancheng Wang, Haoyue Zhan, Liwei Liu, Ruihong Zeng, Haotian Guo, Jiachen Zheng, Qiang Zhang, **Xueyao Zhang**, et al. MaskGCT: Zero-Shot Text-to-Speech with Masked Generative Codec Transformer. *ICLR 2025*.
3. Yicheng Gu, **Xueyao Zhang**, et al. An Investigation of Time-Frequency Representation Discriminators for High-Fidelity Vocoder. *IEEE TASLP, 2024*.
4. **Xueyao Zhang\***, Liumeng Xue\*, Yicheng Gu\*, Yuancheng Wang\*, et al. Amphion: An Open-Source Audio, Music and Speech Generation Toolkit. *IEEE SLT 2024*. (*over 8,000 stars at GitHub*)
5. **Xueyao Zhang**, et al. Leveraging Diverse Semantic-based Audio Pretrained Models for Singing Voice Conversion. *IEEE SLT 2024*.
6. Liumeng Xue, Chaoren Wang, Mingxuan Wang, **Xueyao Zhang**, et al. SingVisio: Visual Analytics of Diffusion Model for Singing Voice Conversion. *Submitted to Computers & Graphics, 2024*.
7. Yicheng Gu, **Xueyao Zhang**, et al. Multi-Scale Sub-Band Constant-Q Transform Discriminator for High-Fidelity Vocoder. *ICASSP 2024*
8. **Xueyao Zhang**, et al. Structure-Enhanced Pop Music Generation via Harmony-Aware Learning. *ACM MM 2022*.
9. Qiang Sheng, Juan Cao, **Xueyao Zhang**, et al. Zoom Out and Observe: News Environment Perception for Fake News Detection. *ACL 2022*.
10. Qiang Sheng\*, **Xueyao Zhang\***, et al. Integrating Pattern- and Fact-based Fake News Detection via Model Preference Learning. *CIKM 2021*.
11. Qiang Sheng, Juan Cao, **Xueyao Zhang**, et al. Article Reranking by Memory-Enhanced Key Sentence Matching for Detecting Previously Fact-Checked Claims. *ACL 2021*.
12. **Xueyao Zhang**, et al. Mining Dual Emotion for Fake News Detection. *WWW 2021*. (*over 300 citations*)

(\*: Equal Contribution.)

## INTERNSHIPS

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### Meta Platforms, Inc

May 2024 – Sept 2024

*Research Scientist Intern, GenAI, California, USA*

### WeChat, Tencent

Apr 2021 – Feb 2022, June 2023 – May 2024

*Research Intern, Pattern Recognition Center of Wechat AI, Beijing, China*

## ACADEMIC SERVICES

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### Reviewer

- Conferences: ACL Rolling Review, ACM CSCW, ACM MM, EMNLP, ICMC, ICASSP (valuable reviewer), NCMMSC
- Journals: EURASIP Journal on Audio, Speech, and Music Processing, IEEE Transactions on Audio, Speech and Language Processing (TASLP), IEEE Transactions on Computational Social Systems (TCSS), Information Processing and Management (IP&M), Journal of Chinese Information Processing (中文信息学报)

### 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

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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

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- 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.

## PROGRAMMING SKILLS

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- Programming Languages: proficient in Python, familiar with Java, and know about C++.
- Deep Learning Frameworks: proficient in PyTorch and Keras.