

# 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 Generation, AI Music
- Advisor: Professor [Zhizheng Wu](#)

### 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)

## REPRESENTATIVE WORKS

1. **Xueyao Zhang\***, Liumeng Xue\*, Yuancheng Wang\*, Yicheng Gu\*, et al. Amphion: An Open-Source Audio, Music and Speech Generation Toolkit. [\[Technical Report\]](#) [\[GitHub\]](#) [\[HuggingFace\]](#)
2. **Xueyao Zhang**, et al. Leveraging Content-based Features from Multiple Acoustic Models for Singing Voice Conversion. *Machine Learning for Audio Workshop at NeuIPS 2023*. [\[Paper\]](#) [\[Code\]](#) [\[Demo\]](#)
3. **Xueyao Zhang**, et al. Structure-Enhanced Pop Music Generation via Harmony-Aware Learning. *Proceedings of the 30th ACM International Conference on Multimedia (ACM MM 2022)*. [\[Paper\]](#) [\[Code\]](#) [\[Demo\]](#)
4. **Xueyao Zhang**, et al. Mining Dual Emotion for Fake News Detection. *Proceedings of the 30th Web Conference (WWW 2021)*. [\[Paper\]](#) [\[Code\]](#) [\[Video\]](#)
5. Qiang Sheng\*, **Xueyao Zhang\***, et al. Integrating Pattern- and Fact-based Fake News Detection via Model Preference Learning. *Proceedings of the 30th ACM International Conference on Information and Knowledge Management (CIKM 2021)*. [\[Paper\]](#) [\[Code\]](#) [\[Blog\]](#)

\*: Equal Contribution.

## INTERNSHIPS

### 🐼 WeChat, Tencent

Apr. 2021 – Feb. 2022, June 2023 –

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

- My research topic is *AI + Music*. Besides, I supply the musical knowledge support for our team.
- In May 2021, I gave a talk on music, [How to create a pop song? \(一首流行歌是如何创作的\)](#)
- In Jan 2022, I participated to release the theme song of WeChat Open Class 2022 as a co-producer, [Ru Wei \(入微\)](#), which was composed by AI and sung by humans.
- In June 2023, I was admitted by Tencent Rhino-Bird Talent Program 腾讯犀牛鸟精英人才计划 (Top 50+ of China), supervised by [Jinchao Zhang](#).

## SERVICES

### Reviewer

- Conferences: ACL Rolling Review, ACM CSCW 2021, ACM MM 2023, EMNLP 2021, ICMC 2023, ICASSP 2023 ([valuable reviewer](#)) / 2024, NCMMS 2023

- 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

## 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)
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 Province, 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.