

YUANCHENG WANG

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EDUCATION

School of Data Science, The Chinese University of Hong Kong, Shenzhen Sept. 2023 –

- Ph.D. student in Computer Science
- Advisor: Professor Zhizheng Wu
- Areas of Study: Speech/Audio Generation & Representation, Large Speech Language Model

School of Data Science, The Chinese University of Hong Kong, Shenzhen 2019 – 2023

- B.S. student in Computer Science
- GPA: 3.53 / 4.00, Ranking: 20 / 110
- Scholarships & Awards: The BoWen Scholarship, Dean's List of School of Data Science

SELECTED PUBLICATIONS

1. **Yuancheng Wang***, Xueyao Zhang* et al. Advancing Zero-shot Text-to-Speech Intelligibility across Diverse Domains via Preference Alignment. *ACL 2025 main*.
2. **Yuancheng Wang**, et al. Metis: A Foundation Speech Generation Model with Masked Generative Pre-training.
3. **Yuancheng Wang**, et al. MaskGCT: Zero-Shot Text-to-Speech with Masked Generative Codec Transformer. *ICLR 2025*. (*over 3,000 stars in a week*)
4. Zeqian Ju*, **Yuancheng Wang***, Kai Shen*, Xu Tan*, et al. NaturalSpeech 3: Zero-Shot Speech Synthesis with Factorized Codec and Diffusion Models. *ICML 2024*. (*Oral presentation*)
5. Junyi Ao*, **Yuancheng Wang***, et al. SD-Eval: A Benchmark Dataset for Spoken Dialogue Understanding Beyond Words. *NeurIPS 2024*.
6. Xueyao Zhang*, Liumeng Xue*, Yicheng Gu*, **Yuancheng Wang***, et al. Amphion: An Open-Source Audio, Music and Speech Generation Toolkit. *IEEE SLT 2024*. (*over 9,000 stars at GitHub*)
7. Haorui He, Zengqiang Shang, Chaoren Wang, Xuyuan Li, Yicheng Gu, Hua Hua, Liwei Liu, Chen Yang, Jiaqi Li, Peiyang Shi, **Yuancheng Wang**, Kai Chen, Pengyuan Zhang, and Zhizheng Wu. Emilia: An Extensive, Multilingual, and Diverse Speech Dataset for Large-Scale Speech Generation. *IEEE SLT 2024*.
8. **Yuancheng Wang**, Zeqian Ju, Xu Tan, Lei He, Zhizheng Wu, Jiang Bian, Sheng Zhao. AUDIT: Audio Editing by Following Instructions with Latent Diffusion Models. *NeurIPS 2023*.

(*: Equal Contribution.)

INTERNSHIPS

Meta May 2025 - Sept. 2025

Research Scientist Intern, GenAI, Llama Speech team, California, USA

ByteDance Apr. 2024 - Apr. 2025

Research Intern, Shenzhen, China

- Built a benchmark dataset for spoken dialogue understanding, our work *SD-Eval* was Accepted to *NeurIPS 2024*.

Microsoft Nov. 2022 - June 2023

Research Intern, Beijing, China

- Built a novelty large-scale zero-shot TTS based on a speech codec with attribute disentanglement and masked generative modeling, our work *NaturalSpeech 3* was Accepted to *ICML 2024* as an oral presentation.
- Worked with Xu Tan and others on text-guided audio generation and editing based on latent diffusion, our work *AUDIT* was Accepted to *NeurIPS 2023*.

ACADEMIC SERVICES

Reviewer: International Conference on Learning Representations (ICLR), International Conference on Machine Learning (ICML), Conference on Neural Information Processing Systems (NeurIPS), Conference on Language Modeling (COLM) IEEE Transactions on Audio, Speech and Language Processing (TASLP)

Teaching Assistant:

- Fall 2024, CSC1001, Introduction to Computer Science: Programming Methodology, CUHK(SZ)
- Spring 2025, DDA4300, Optimization in Data Science and Machine Learning, CUHK(SZ)

Academic Volunteer: IEEE Spoken Language Technology Workshop 2024

HONORS AND AWARDS

- Duan Yong Ping Outstanding Research Award, 2024
- The BoWen Scholarship (2019 - 2023)
- Dean's List of School of Data Science
- The first prize of Guangdong Province for the Mathematics competition of Chinese College Student, 2020
- First price in Chinese High School Mathematics League

SKILLS

- **Programming Languages:** proficient in Python, familiar with Java, and know about C++.
- **Deep Learning Frameworks:** proficient in PyTorch.
- **Languages:** Chinese (Native), English.