Yi Deng

New York University

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EDUCATION BACKGROUND

New York University (NYU)   **01/2021-Present**
- Music Technology MM, graduate in Spring 2023
- Courses: *Mixing in DAW, Audio Mastering, Adv Computer Music, Digital Signal Theory, etc.*

Communication University of China (CUC)   **09/2016-07/2020**
- Recording Arts (Recording Engineering), Bachler of Engineering
- Selected Honors: China Media Group Scholarship (top 1%), Outstanding Graduates (top 4%)
- Courses: *Audio System Engineering, Music Recording, Audio Measurement, etc.*

INTERNSHIP EXPERIENCE

Byte Dance (AI-Lab Speech & Audio Team)   **02/2020-10/2020, 02/2021-07/2021**
- Managed dataset production: designing standard for data collection (TTS, singing, and multi-modality tasks), contacting studios and singers, scheduling recording time, and inspecting the quality of audio recording.
- Arranged and mixed for music generated by deep learning models for team promotion and project requirements.
- Designed and programmed sound effects for synthesized speech sound.
- Labeled datasets for audio-visual activity detection, beat tracking, and cover song detection.

Rhymoi Music   **12/2019-01/2020**
- Organized and edited 7 albums for the *"Chinese Music Map"* project, funded by National Art Fund.

National Centre of Performance Arts of China   **07/2019-08/2019**
- Participated in recording and rebroadcasting of concerts and operas.
- Assisted with the microphone set up and recording system connecting.

MUSIC

- Selected works are displayed on *GitHub page.*

PUBLICATION

- Yusong Wu, Ethan Manilow, **Yi Deng**, Rigel Swavely, Kyle Kastner, Tim Cooijmans, Aaron Courville, Cheng-Zhi Anna Huang, Jesse Engel: *MIDI-DDSP: detailed control of musical performance via hierarchical modeling.* **Submitted to ICLR 2022, average rating of 8 in initial review.** Advised the model development and used the model to generate realistic samples for demonstration.
- Yuanbo Hou, **Yi Deng**, Bilei Zhu, Zejun Ma, Dick Botteldooren: *Rule-embedded network for audio-visual voice activity detection in live musical video streams.* In ICASSP 2021-2021 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2021). Designed the rules of collecting and labeling data for the model.

INTERESTS

Violin
- 20-year violin player.
- Concertmaster of CUC Symphony Orchestra in 2018, joined Beijing College Students Music Festival and won the gold aware twice.

Singing
- Top 10 in 2018 Campus Singer Competition-The Spring of CUC.