

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*, *Adv Computer Music*, *Grad Fundamentals of Music Technology*

Communication University of China (CUC)

09/2016-07/2020

- Recording Arts (Recording Engineering), Bachelor of Engineering
- Selected Honors: China Media Group Scholarship (top 1%), Outstanding Graduates (top 4%)
- Courses: *Audio System Engineering*, *Principle of Audio System*, *Principle of DAW*, *Recording of Pop Music*, *Recording of Classic Music*, *Stereophonic Microphone Technique*, *Audio Measurement*

INTERNSHIP EXPERIENCE (click the underscored title to get the link of the selected work)

Byte Dance (AI-Lab Speech & Audio Team)

02/2020-07/2021

- Participated in projects related to text-to-speech (TTS) and music information retrieval (MIR) of TikTok, Capcut, etc.
- Arranged and mixed for music generated by deep learning models for team promotion and project requirements: AI-powered education, virtual singer, AI-aided music production, voice conversion.
- Recorded datasets for speech and singing synthesis (TTS) in studios.

Rhymoi Music

12/2019-01/2020

- Organized and edited 5 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.

O2 Studio

07/2017-08/2017

- Recorded songs for artists and TV series.

PROFESSIONAL PROJECTS (click the underscored title to get the link)

- **Floating**: studio recording and mixing
- **Good Night, Firefly**: scoring, sound designing and mixing
- **Liuliudashun**: concert recording and mixing
- **Madabao Drunk**: mixing
- **My Plan**: composing, arranging, singing and mixing
- **Scrap Metal**: concert recording and mixing
- **Shanghai Beach**: concert recording and mixing

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.**

- 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).

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.
- Deputy minister of CUC Acappella (CUCA), released an album and several singles.