

# Zehao Wang

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🌐 [musicgrad.ucsd.edu/zehaowang](https://musicgrad.ucsd.edu/zehaowang)

## Education

- **UC San Diego** **California, U.S.A.**  
*Ph.D. student in Computer Music*  
Department of Music  
2021 - Present
- **Peking University** **Beijing, China**  
*B.S. in Applied Math (Data Science)*  
School of Mathematical Sciences  
2017 - 2021

## Experience

### Academic

- **New York University Shanghai** **Shanghai, China**  
*Music X Lab*  
Host: Prof. Gus G. Xia  
May 2020 - Jul 2021
- **School of Psychological and Cognitive Sciences, Peking University** **Beijing, China**  
*Bao Lab*  
Advisor: Prof. Yan Bao  
Mar 2020 - Jul 2021
- **School of Mathematical Sciences, Peking University** **Beijing, China**  
*Deep Learning Lab*  
Advisor: Prof. Zhanxing Zhu  
May 2019 - Sep 2020
- **Wangxuan Institute of Computer Technology, Peking University** **Beijing, China**  
*Digital Audio Lab*  
Advisor: Prof. Xiaou Chen  
Apr 2018 - Dec 2019

### Industry

- **TikTok, ByteDance** **U.S.**  
*Research Intern*  
Jun 2022 - Sep 2022
- **Yamaha** **Japan**  
*Research Intern*  
Mar 2022 - Jun 2022
- **ByteDance** **China**  
*Research Intern in AI Lab*  
Nov 2020 - Mar 2021
- **ByteDance** **China**  
*Research Intern in AI Lab*  
Dec 2019 - Sep 2020
- **Microsoft** **China**  
*Research Intern in Speech Group*  
Jun 2019 - Dec 2019

### Teaching and Other Music Experience

- **Academy of Opera, Peking University** **Beijing, China**  
*Adjunct Piano Accompanist*  
Apr 2019 - Jul 2021
  - Working for rehearsal and concert, including art songs, chorus and opera.
- **Teaching**
  - Teaching assistant:
    - MUS175, Musical Psychoacoustics, 2022 Spring, UC San Diego
    - MUS174B, Audio & MIDI Techniques II, 2022 Winter, UC San Diego
    - MUS174A, Audio & MIDI Techniques I, 2021 Fall, UC San Diego

- Economics and Computation, 2019 Summer, Peking University
- Lecturer:
  - American Mathematics Competitions (in English), 2020 Summer, Online
  - Mathematical Olympiad, 2017 Summer, Zhengzhou No.1 High School
- **Other music experience**
  - Independent music producer (on Xiami Music & Netease Music)
  - Orchestra and choir arranger
  - Piano accompanist, chamber music conductor

## Skills

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- **Programming:** Python, C++, Matlab, Julia, R
- **Framework:** CUDA; Pytorch & TensorFlow (Deep Learning); JUCE, Csound, Supercollider, Puredata and Faust (Music Related)
- **Language:** Chinese(Native), English(Fluent)

## Honors and Awards

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The <b>First Prize</b> of Contemporary Undergraduate Mathematical Contest in Modeling	Sep 2018
The <b>Silver Medal</b> of 32nd Chinese Mathematical Olympiad	Dec 2016
The <b>Second Place</b> of 32nd National Mathematics League in Henan Division	Sep 2016
The <b>Third Place</b> of 13th Chinese Southeast Mathematical Olympiad	Aug 2016
The <b>First Place</b> of Pearl River - Kayserburg International Youth Piano Competition	Aug 2015
The <b>Second Prize</b> of Musical Ensemble Track in Art Festival of Henan Province	Jul 2015