

# Minghao Guo

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in Minghao Guo

🌐 <https://minghaoguo20.github.io/>

## Education

- 2020.09 – 2024.06  **B.S., Zhejiang University** Ocean Technology.  
GPA: *90.10/100*  
Interned at *ZJU CCAI Lab*, 2023.07-2023.09, advised by Prof. Linchao Zhu
- 2022.09 – 2022.12  **Exchange, The Chinese University of Hong Kong** in Computer Science.

## Research Experiences





- 2023.06 – now  **Diffusion Model based Video Editing**  
ZJU CCAI lab  
Mentor: *Prof. LinChao Zhu*  
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- 2023.02 – 2023.04  **Robust Sentence-Level Evaluation**  
Yale Remote RA  
Cooperator: *Xiangru Tang, Yilun Zhao*  
under review
- 2022.11 – 2022.12  **Voice Conversion**  
CUHK AIST2010 class project  
Mentor: *Dr. Chuck-jee CHAU*  
We proposed a method for regenerating music based on some given music track.  
We use Multi-scale Multi-band DenseNet to separate the vocal and the background music, and then use the voice conversion method to change the two parts.
- 2022.07 – 2022.10  **Underwater Overlapping Fish Detection Study**  
ZJU SRTP  
Mentor: *Prof. Hui Huang*  
Based on yolov5, we perform detection of underwater targets. Our work consists mainly in adding preprocessing, adding attention mechanisms and using pre-trained models.

## Miscellaneous Experience

### Scholarship

- 2022  **China Harbor Scholarship**
- 2021  **China National Scholarship**

### Competition

- 2022  **First Prize** of Zhejiang Province Student Physics Innovation, Theory
- 2021  **Third Prize** of National Zhou Peiyuan University Mechanics Competition, Individual Competition
-  **First prize** in the National University Mathematics Competition, non-mathematics group
- 2020  **First prize** in the National University Mathematics Competition, non-mathematics group