

# Xiyao FENG



Mobile:15513845670



Address:Duxue Road, Nansha District, Guangzhou, Guangdong



E-mail:xfeng651@connect.hkust-gz.edu.cn



## Education

2020/09-Present Ocean University of China Chongben Honors college

Bachelor of Marine Science, majoring in Physical Oceanography, graduated in July 2024;

Language: Native Mandarin, Excellent English (IELTS-7)

Computer: Skilled user of python/matlab/fortran

## Experience

2022/05-2022/06

Marine scientific survey

survey crews

Learn and master the knowledge and skills of marine hydrology, marine chemistry, marine biology, and marine meteorology in ocean observation and survey on the Dongfanghong 2 silent class scientific research vessel, and carry out practical operations.

2022/11-2023/11

Student Research Developing Program

project leader

Hosted the project of "Multi source Remote Sensing Sea Ice Classification Technology under Deep Learning". This project has developed an in-depth learning model based on pytorch, which realizes automatic sea ice classification by integrating three types of satellite remote sensing data, namely, optics, Synthetic-aperture radar and passive microwave. The instructor is Professor Su Jie of Ocean University of China. In this project, I self-studied the Deep Learning course taught by Andrew NG.Stanford University from scratch, and mastered the image processing technology of geographic information software such as GIS. The project paper is currently being written.

2022/12-2023/6

Scientific Innovation Plan of Institute of Oceanography

Chinese Academy of Sciences

Participated in the "validation of the third mode of Arctic SLP anomaly and icelead density". This project extracts the Arctic interglacial waterway through high-resolution remote sensing, and verifies the dynamic mechanism of the Arctic third mode BBO by analyzing its temporal and spatial distribution. The instructor is bihaibo, associate researcher of the Institute of Oceanography, Chinese Academy of Sciences. In this project, I learned a lot of research methods of dynamics and thermodynamics in the ocean. At the same time, I learned ENVI and Its Programming Language IDL, which exercised my ability to acquire and process a large number of remote sensing data.

## Honors&Awards

2020-2021 Tiantai Chongben Postgraduate Scholarship

2020-2022 Chongben college sports scholarship

First prize of 2020-2021 Internet+innovation and Entrepreneurship Competition

"S prize" in mathematical modeling competition of American College Students

Champion of u28 group of National Cheerleading Club League