

# Zheng-Hang Fu

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## EDUCATION

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### Fudan University

Ph.D. in Climate System and Climate Change

**Advisors:** Wen Zhou and Shang-Ping Xie

GPA: 4.00/4.00, Rank 1/70.

Shanghai, China

September 2023 – Present

### Fudan University

B.S. in Atmospheric Science

**Advisors:** Xingnan Ye and Ruifen Zhan

GPA: 3.75/4.00, Rank 1/23, Major GPA: 3.94/4.00.

Shanghai, China

September 2019 – June 2023

## PUBLICATIONS

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- [1] **Zheng-Hang Fu**, Ruifen Zhan\*, Jiuwei Zhao, Yohei Yamada, and Kexin Song, 2023: Future Projections of Multiple Tropical Cyclone Events in the Northern Hemisphere in the CMIP6-HighResMIP Models. **Geophysical Research Letters**. 50, *e2023GL103064*.  
<https://doi.org/10.1029/2023GL103064>
- [2] **Zheng-Hang Fu**, Libin Cheng, Xingnan Ye\*, Zhen Ma, Ruoyan Wang, Yusen Duan\*, Huo Juntao, Jianmin Chen, 2022: Characteristics of aerosol chemistry and acidity in Shanghai after PM2.5 satisfied national guideline: Insight into future emission control, **Science of The Total Environment**, 154319. <https://doi.org/10.1016/j.scitotenv.2022.154319>.

## CONFERENCES

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### Conference presentation:

- [1] 2023 Meteorological Youth Scientists Forum and Meteorological Science and Technology Journal Development and Improvement Seminar, Zhuhai, China (August 2023): Dissemination, Promotion, and Utilization of Meteorological Research Achievements: Taking ZQA Weather Hub of China as an Example.

### Conference poster:

- [1] The 5<sup>th</sup> National Mesoscale Meteorology Forum, Yinchuan, China (August 2023): Future Projections of Multiple Tropical Cyclone Events in the Northern Hemisphere in the CMIP6-HighResMIP Models.

## TEACHING

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Fudan University, Department of Atmospheric and Oceanic Sciences (AOS), **Teaching Assistant**,  
Statistical Methods in Meteorology (undergraduate)

Autumn 2023

## RESEARCH INTERESTS

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- The drivers, impacts and prediction of extreme events (e.g., heatwaves, floods, tropical cyclones).
- Extreme events interactions.

## SELECTED AWARDS AND HONORS

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### Scholarships

- National Scholarship for Top Undergraduate Students of China (Top 2%) December 2021, 2022
- The First Prize Scholarship for Outstanding Students of Fudan University (Top 5%) December 2020

### Awards

- The Graduate Star of Fudan University (Highest honor for undergraduates, Top 10 among ~3625) May 2023
- The May Fourth Youth Medal of Fudan University (2 students every year) May 2023
- Outstanding Student Pacesetter of Fudan University (10 students every year) November 2022
- Academy Star of Fudan University (Innovation and Practice) (10 groups every year) May 2021

## SKILLS

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**Programming:** Python (proficient), NCL (intermediate), MATLAB (intermediate), Fortran (beginner)

**Platforms:** Linux (proficient), LaTeX (proficient), Origin (proficient), MeteoInfo (intermediate), SPSS (intermediate)

## ACTIVITIES

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**ZQA Weather Hub of China, core member** September 2020 – present

- Created a science communication platform for popularizing atmospheric sciences by writing short science articles
- Promoted science outreach for atmospheric sciences in other media platforms

**Tsinghua University Student Association of Meteorology, member** September 2021 – present

- Helped to establish the association
- Co-organized activities to enhance the public outreach of meteorology

**Student Union of Department of Environmental Science and Engineering & Department of AOS in Fudan University,**

**Member, publicity minister, executive chairman** September 2019 – September 2022

- Organized academic lectures and popular science activities
- Carried out brand activations of AOS department of Fudan University