

Zhixian Yang, Curriculum Vitae

CONTACT INFORMATION

E-mail: yangzhx28@mail2.sysu.edu.cn

Telephone: +86 188-1346-1717

Address:

135 West Xingang Road
Guangzhou, Guangdong, China
510275

RESEARCH INTEREST

Climate Dynamics, Climate Modeling, Ocean-Atmosphere Interactions, El Niño-Southern Oscillation

EDUCATION

Sun Yat-sen University, Guangzhou, China

September, 2020 – June, 2024

- B.S. in Atmospheric Science
- Thesis title: Prediction of El Niño-Southern Oscillation Events based on Artificial Neural Network Modeling
- Advisor: Maoqiu Jian
- Description: An Artificial Neural Network model is developed to predict ENSO phases with high accuracy, correctly forecasting 8 out of 10 years in a test set. The model's performance is optimal when using data from April and May but less accurate with data from January and March. Prediction uncertainties vary by month, being highest from November to February and lowest from April to May, with moderate success in predicting ENSO intensity.
- Overall GPA: **3.9 / 5**

AWARDS AND SCHOLARSHIPS

Sun Yat-sen University Outstanding Student Scholarship (Third-Class)

2020-2021

PROFESSIONAL EXPERIENCES

Climatematch Impact Scholar Program - Climatematch Academy

July, 2023 – March, 2024

- Collaborators: Selyn Acuña, Tejawini M. Pawase
- Project title: Impact of Interannual Variability on the Onset of Summer Monsoon over the Indonesia-Northern Australia Region

PROFESSIONAL SKILLS

- Numerical Models: CESM, WRF
- Languages: Python (proficient), MATLAB (limited)

LANGUAGES

- English (proficient), Chinese-Mandarin (native), Chinese-Cantonese (native),
- Japanese (intermediate)