

# Yuying Wu

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## Education

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- Sep 2020- Jun 2021**      **University of Cambridge, United of Kingdom**  
**Department of Applied Mathematics and Theoretical Physics**
- Master of Mathematics
- Mar 2019- Aug 2019**      **University of California, San Diego, United States**  
**Visiting Student, GPA: 3.92/4.0**
- Coursework: Vector Calculus, Differential Equation, PDE, ODE
- Jul 2017- Aug 2017**      **Universidad Politécnica de Madrid, Madrid, Spain**  
**Summer School Student, Rank: 2/21**
- Participated academic activities in satellite launching, hydrogen vehicle and cybersecurity
- Sep 2014- Aug 2018**      **Tongji University, School of Ocean and Earth Science, Shanghai, China**  
**Bachelor of Science in Oceanography, GPA: 86/100 (four years), 95/100 (last two years)**
- Studied in oceanography and earth science
  - Took classes in math, oceanography, geology, geophysics, remote sensing, GIS

## Research Experience

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- Jan 2018 - Feb 2019**      **Massachusetts Institute of Technology, Department of Earth, Atmospheric and Planetary Sciences**  
**Undergraduate Research Assistant**
- Collected and interpreted SSH datasets from NASA, HYCOM, AVISO
  - Used statistics tools to analyze the relationship between chlorophyll distribution and mesoscale eddy
  - Calculated mixed layer depth to compare its difference between eddy center and surrounding water
  - Ran MATLAB models to track one eddy's movement and analyzed its vertical structure changes
- 2016-2018**      **Tongji University, School of Ocean and Earth Science, Shanghai, China**  
**Research Assistant in Physical Oceanography,**
- Focus on mesoscale eddies in the Western Pacific Ocean and Kuroshio Current
  - Researched the annual changes of mesoscale eddies in the South China Sea

## Academic Speech

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- Dec 2018**      **American Geophysical Union Fall Meeting 2018, Washington DC, United States**  
**Oral Presenter in Ocean Science: OS41A-07,**
- Title: Vertical Structure and Evolution of an anticyclonic eddy in the South China Sea
  - Session: Physical Oceanography, Geodynamics, and Ecological Environment of the Western Pacific

## Honors and Awards

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2018	Tongji University Study Abroad Travel Grant
2018	Tongji University Talent Program Fellowship
2018	Chinese National Innovation Research Program for College Students, Outstanding Winner
2017	Tongji University Spanish Study Abroad Fellowship
2017	Tongji University Outstanding Student Scholarship (Third Prize)
2016	Tongji University Mathematical Modeling Contest (Third Prize)

## Special Skills

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<b>Programming:</b>	Python, MATLAB, HTML/CSS
<b>Office 365:</b>	Microsoft Word, PowerPoint, Excel
<b>Media Software:</b>	Adobe Premiere Pro (for video), Adobe Photoshop (for photo)
<b>Language:</b>	English (fluent), Chinese (native), Japanese (basic)
<b>Interests :</b>	Data Visualization, Web Development, Photography, Mathematics theory