

Xin Yang
Curriculum Vita

Atlantic Oceanographic & Meteorological Lab
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Education

2019 - 2024 **Ph.D. in Physical Oceanography**

Texas A&M University (TAMU), College Station, Texas, United States

2017 - 2019 **M.S. in Ocean Engineering**

Texas A&M University (TAMU), College Station, Texas, United States

2013 - 2017 **B.S. in Naval Architecture and Ocean Engineering**

Dalian University of Technology (DUT), Dalian, China

Professional Experience

2024 - now Senior Research Associate 2

NOAA/AOML/Hurricane Research Division with
University of Miami/CIMAS

Publications & Conference Presentation

Yang, X., & Potter, H. (2021). A Novel Method to Discriminate Active from Residual Whitecaps Using Particle Image Velocimetry. *Remote Sensing*, 13(20), 4051.

Yang, X., Potter, H., Zhang, S., & Lyu, M. Remote Measurement of Active Whitecaps using Deep Learning. *J. Atmos. Ocea. Tech.*, Accepted.

Lyu, M., Potter, H., Collins, C. O., **Yang, X., & Wang, X.** (2023). The impacts of gustiness on the evolution of surface gravity waves. *Geophysical Research Letters*, 50(12), e2023GL104085.

Ma, H., Li, Y., **Yang, X., & Ye, L.** (2023). Data-driven prediction of the equivalent sand-grain roughness. *Scientific Reports*, 13(1), 19108.

Potter, H., Lyu, M., & **Yang, X.** Elevated Momentum Flux in the Surfing Zone during a Storm. *Journal of the Atmospheric Sciences.*, Accepted.

Synergistic Activities

Research Assistant of the *Understanding Whitecap Foam Decay using Shipboard Infrared Remote Sensing* project funded by the National Science Foundation under grant 1829986, participate in two cruises and take charge of infrared & visible observation experiments and data analysis (2019-2022).

Participant of air-sea momentum fluxes experiments as part of DUNEX (DURING Nearshore Event eXperiment), in charge of instrument deployment (2021).