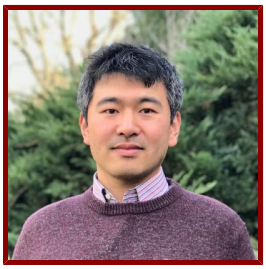
Stanford



Da Yang

Assistant Professor Geophysics

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Assistant Professor, Geophysics

ADMINISTRATIVE APPOINTMENTS

- Assistant Professor, University of Chicago, (2023-2025)
- Associate Professor, UC Davis, (2023-2023)
- Assistant Professor, UC Davis, (2017-2023)

HONORS AND AWARDS

- Terman Fellowship, Stanford University (2025)
- CAREER Award, NSF (2021)
- Reviewer Award, Journal of Meteorological Research, Springer (2020)
- Packard Fellowship in Science and Engineering, The David and Lucile Packard Foundation (2019 - 2024)
- Miller Research Fellowship, UC Berkeley (2014 - 2017)
- Chinese Government Award for Outstanding Students Abroad, China Scholarship Council (2012)

PROFESSIONAL EDUCATION

- Ph.D., Caltech (2014)
- B.S., Peking University (2008)

LINKS

- My research website: https://www.yang-climate-group.org/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research focuses on atmospheric convection and clouds—the major sources of uncertainty in predicting future climate change. Key questions in this field include: What makes air rise to form clouds? How do individual convective clouds organize into expansive rainstorms? How does convection work in warmer climates? I combine theory, observations, numerical models, and machine learning methods to address these most fundamental yet challenging questions.

Teaching

COURSES

2026-27

- Convection & Climate: GEOPHYS 385Y (Aut, Win, Spr)
- Fundamentals of Atmospheric and Climate Dynamics: GEOPHYS 127, GEOPHYS 247 (Win)

2025-26

- Tropical Atmosphere and Climate: GEOPHYS 234 (Spr)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Aidi Zhang

Doctoral Dissertation Advisor (AC)

Yilin Wang