

ROBERT R. FORD

Department of Atmospheric & Environmental Sciences (DAES)

University at Albany, SUNY

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EDUCATION

University at Albany, SUNY, Albany, NY

Expected 2026

Ph.D., Atmospheric Science, *in progress*

Advisor: Brian Rose

Stockton University, Galloway, NJ

2021

B.S., Applied Physics & Mathematics

EXPERIENCE

University at Albany, SUNY

2021 –

Graduate Research Assistant

Advisor: Brian Rose

- Using climate models to explore how Southern Ocean temperature trends and variability impact climate feedbacks and sensitivity
- Developing open-source geoscientific Python tutorials through [Project Pythia](#)

Stockton University

2019 – 2021

Undergraduate Researcher

Advisor: Russell Manson

- Modeled solute transport in streams and analyzed the error and stability of numerical schemes

PUBLICATIONS

1. **Ford, R. R.**, B. E. J. Rose, and M. C. Rencurrel, *in review*: Transient climate sensitivity shaped by Southern Ocean heat uptake through midlatitude low clouds in a slab ocean model

PRESENTATIONS

2. **Ford, R.**, and B. E. J. Rose, 2023: Transient climate sensitivity shaped by Antarctic sea ice changes: exploring links between ocean heat uptake patterns, sea ice changes, and mid-latitude cloud cover [Presentation], AGU Fall Meeting, San Francisco, CA
1. **Ford, R.**, and J. R. Manson, 2021: Solute transport modeling using a Preissmann scheme [Presentation], 6th IAHR Europe Congress, virtual

Co-authored presentations about Project Pythia can be found at projectpythia.org/about

SERVICE & OUTREACH

DAES Climate Group Seminar Organizer

2024 –

DAES Volunteer Tutoring

2022 –

Contributed presentations on climate modeling to [Climatematch Academy](#)

2024

HONORS & AWARDS

Paul Saraduke Jr. Memorial Physics Award, Stockton University

2021

Jason Shulman Award for Excellence in Physics Research, Stockton University

2020

Foundation Scholarship, Stockton University

2020

WORKSHOPS & PROFESSIONAL TRAINING

OceanHackWeek 2024, Bigelow Laboratory for Ocean Sciences, East Boothbay, ME	August 2024
Project Pythia Cook-off 2024, NCAR, virtual	June 2024
Project Pythia Cook-off 2023, NCAR, virtual	June 2023
CESM Tutorial 2022, NCAR, Boulder, CO	August 2022
The Pattern Effect: Coupling of SST Patterns, Radiative Feedbacks, and Climate Sensitivity Workshop, US CLIVAR, virtual	May 2022

TECHNICAL SKILLS

Python, Git, Linux
Community Earth System Model

PROFESSIONAL AFFILIATIONS

American Geophysical Union
American Meteorological Society