

# ROBERT R. FORD

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## EDUCATION

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<b>University at Albany, SUNY</b> , Albany, NY Ph.D., Atmospheric Science, <i>in progress</i> Advisor: Brian Rose	Expected 2027
<b>Stockton University</b> , Galloway, NJ B.S., Applied Physics & Mathematics	2021

## EXPERIENCE

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<b>University at Albany, SUNY</b> Graduate Research Assistant	2021 – Advisor: Brian Rose
<ul style="list-style-type: none"><li>· Using climate models to explore how Southern Ocean temperature trends and variability impact climate feedbacks and sensitivity</li><li>· Developing open-source geoscientific Python tutorials through <a href="#">Project Pythia</a></li></ul>	
<b>Stockton University</b> Undergraduate Researcher	2019 – 2021 Advisor: Russell Manson
<ul style="list-style-type: none"><li>· Modeled solute transport in streams and analyzed the error and stability of numerical schemes</li></ul>	

## PUBLICATIONS

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1. **Ford, R. R.**, B. E. J. Rose, and M. C. Rencurrel, 2025: Transient Climate Sensitivity Shaped by Low Cloud Changes Remotely Driven by Southern Ocean Processes. *Journal of Climate*, **38**, 797–813, <https://doi.org/10.1175/JCLI-D-24-0164.1>.

## PRESENTATIONS

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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, AGU Fall Meeting, San Francisco, CA
1. **Ford, R.**, and J. R. Manson, 2021: Solute transport modeling using a Preissmann scheme, 6th IAHR Europe Congress, virtual

## SERVICE & OUTREACH

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DAES Climate Group Seminar Organizer	2024 –
DAES Volunteer Tutoring	2022 –
Contributed presentations on climate modeling to <a href="#">Climatematch Academy</a>	2024

## HONORS & AWARDS

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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

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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

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Python, Git, Linux  
Community Earth System Model

## PROFESSIONAL AFFILIATIONS

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American Geophysical Union  
American Meteorological Society