

Jacob T. Cohen

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Updated January 2023
University of Washington
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Education

<i>In progress</i>	University of Washington , Seattle, WA Ph.D. student, Oceanography
2023	University of Washington , Seattle, WA M.S., Oceanography
2019	Carleton College , Northfield, MN B.A., Physics

Research Experience

2019-present	Graduate Research Assistant , University of Washington <i>Advisor: LuAnne Thompson</i> <ul style="list-style-type: none">- Studying the relative roles of the ocean and the atmosphere on driving monthly and seasonal air-sea heat exchange and upper ocean heat content variability with satellite observations.- Predicting the spatiotemporal evolution of marine heatwaves in the North Pacific in the Seasonal-to-Multiyear Large Ensemble (SMYLE).
2018	Physical Oceanography Research , The Pennsylvania State University <i>Advisors: Sukyoung Lee, Raymond Najjar, Qian Li</i> <ul style="list-style-type: none">- Analyzed Argo float data to identify signatures of jet-scale overturning circulation in the North Atlantic Ocean.
2017	Climate Research and Outreach , Universidad Nacional de Costa Rica <i>Advisors: Javier Espeleta, Sergio Molina, Vanessa Valerio Hernandez, Fabiola Rodriguez</i> <ul style="list-style-type: none">- Evaluated 20 years of meteorology data and disaster reports to assess risk in Barva and Quepos, Costa Rica.- Collaborated with municipal councils on local climate policies and produced a report on the climate threats facing Barva and Quepos.

Presentations

Cohen, J. T., Thompson, L., Seasonal variation in the relative roles of oceanic and atmospheric processes in driving air-sea interaction, Abstract OS13B-08, AGU Fall Meeting, 12 Dec. 2022, oral

Cohen, J. T., Thompson, L., Quantifying the relative roles of atmospheric and oceanic processes in driving air-sea interaction in the Gulf Stream Region, Graduate Climate Conference 2022, poster

- Cohen, J. T.**, Thompson, L., Quantifying the relative roles of atmospheric and oceanic processes in driving air-sea interaction in the Gulf Stream Region, 2022 US CLIVAR Whither the Gulf Stream Workshop, 15-17 June 2022, poster/lightning talk
- Cohen, J. T.**, Thompson, L., Seasonal Variation in the Effective Depth of Air-Sea Interaction, Ocean Sciences Meeting, 4 Mar. 2022, oral (remote)
- Cohen, J. T.**, Thompson, L., The Effective Depth of Air-Sea Interaction, Oceanography Graduate Student Symposium, 5 Nov. 2021, oral
- Cohen, J. T.**, Thompson, L., The Effective Depth of Air-Sea Interaction on Monthly and Seasonal Timescales, Graduate Climate Conference, 29–31 Oct. 2021, poster (remote)
- Cohen, J. T.**, et al., Actionable Community-Oriented Research eNgagement (ACORN) with the UW Program on Climate Change, Northwest Climate Conference, 6-8 Apr. 2021, lightning talk (remote)
- Cohen, J. T.**, Thompson, L., Drushka, K., Timescales of Atmosphere-Ocean Interaction in the Southern Ocean, Abstract A055-05, AGU Fall Meeting, 8 Dec. 2020, oral (remote)
- Cohen, J. T.**, Thompson, L., Drushka, K., Timescales of Atmosphere-Ocean Interaction in the Southern Ocean, presented at 2020 Graduate Climate Conference, 30 Oct. - 1 Nov. 2020, poster (remote)
- Cohen, J. T.**, Lee, S., Li, Q., Najjar, R. G., Is Jet-Scale Overturning Circulation Present in the North Atlantic Ocean?, Abstract OS43C-2090, AGU Fall Meeting, 10-14 Dec. 2018, poster
- Cohen, J. T.**, Lee, S., Li, Q., Najjar, R. G., Is Jet-Scale Overturning Circulation Present in the North Atlantic Ocean?, Carleton College Student Research Symposium & Celebration, 19 Oct. 2018, poster

Fellowships and Awards

2023	Graubard Fellowship in the Program on Climate Change
2021	NSF GRFP Honorable Mention
2019-2020	University of Washington Provost's Fellowship
2018	Kolenkow-Reitz Undergraduate Research Fellowship

Community Engagement and Service

2020-2022	Member, Program on Climate Change Graduate Steering Committee University of Washington Program on Climate Change
2020-2022	Co-Lead, Actionable Community-Oriented Research eNgagement (ACORN) University of Washington Program on Climate Change

2020, 2022	<i>Executive Committee Member, Graduate Climate Conference</i> University of Washington and MIT
2021	<i>Co-Convener, Innovative Initiatives in Conducting Community-Based Science and Training the Next Generation of Practitioners</i> AGU Fall Meeting, Session U22B
2021	<i>Co-Chair, Graduate Climate Conference</i> University of Washington and MIT
2020	<i>Member, Summer Committee for Social and Environmental Justice</i> Campus Sustainability Fund and the UW Resilience Lab University of Washington
2020	<i>Volunteer, Climate Change // Curiosity Expo</i> Exhibit: <i>Where Does Arctic Ocean Water Come From?</i> Pacific Science Center, Seattle, WA
2018-2019	<i>Member, Department Curriculum Committee</i> Department of Physics and Astronomy, Carleton College

Teaching, Mentorship, and Communication Experience

2023	Mentor for undergraduate research assistant Alex Patel School of Oceanography, University of Washington
2021	Teaching Assistant Ocean 285–Physics Across Oceanography: Fluid Mechanics and Waves School of Oceanography, University of Washington
2017-2019	Problem Solving Facilitator, Grader, Lab Assistant Department of Physics and Astronomy, Carleton College
2016-2019	Admissions Blogger Carleton College Admissions Office
2017	ACM Communications Assistant Associated Colleges of the Midwest, Costa Rica
2017	Summer Student Assistant Science Education Resource Center, Carleton College

Workshops

2022	Grid SST Hackathon University of Washington
2022	US CLIVAR Whither the Gulf Stream Workshop

US Climate Variability and Predictability Program

2022

NASA Summer School on Satellite Observations and Climate Models

JPL Center for Climate Sciences and the Keck Institute for Space
Studies

2020

CESM Tutorial

National Center for Atmospheric Research (NCAR), virtual