

Jacob T. Cohen

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University of Washington
Seattle, WA 98103

Education

2019-present **University of Washington**, Seattle, WA
Ph.D., Oceanography
Advisor: LuAnne Thompson

2019 **Carleton College**, Northfield, MN
B.A., Physics

Research Experience

2019-present **Graduate Research Assistant**
Ph.D., Oceanography
Advisor: LuAnne Thompson
Studying the relative roles of the ocean and the atmosphere on driving monthly and seasonal air-sea heat exchange and sea surface temperature variability with satellite observations.

2018 **Physical Oceanography Research**
Climate Science REU, The Pennsylvania State University
Advisors: Sukyoung Lee, Raymond Najjar, Qian Li
Title: *Is Jet-Scale Overturning Circulation Present in the North Atlantic Ocean?*
Analyzed 10 years of Argo float data to attempt to identify overturning circulation in the North Atlantic Ocean. Collaborated with professors and graduate students. Conveyed research findings and significance through a speed talk, a poster, and a scientific report.

2017 **Climate Research and Outreach**
Universidad Nacional de Costa Rica
Advisors: Javier Espeleta, Sergio Molina, Vanessa Valerio Hernandez, Fabiola Rodriguez
Evaluated 20 years of meteorology data and disaster reports to assess risk in Barva and Quepos, Costa Rica. Communicated with municipal councils to understand and generate local climate policies. Produced a report on the climate threats facing Barva and Quepos.

Presentations

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

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	<i>Member, Program on Climate Change Graduate Steering Committee</i> University of Washington Program on Climate Change
2020-2022	<i>Co-Lead, Actionable Community-Oriented Research eNgagement (ACORN)</i> 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 **Co-Chair, Graduate Climate Conference**
University of Washington and MIT
- 2020 **Member, Summer Committee for Social and Environmental Justice**
Campus Sustainability Fund and the UW Resilience Lab
University of Washington
- 2020 **Volunteer, Climate Change // Curiosity Expo**
Exhibit: *Where Does Arctic Ocean Water Come From?*
Pacific Science Center, Seattle, WA
- 2018-2019 **Member, Department Curriculum Committee**
Department of Physics and Astronomy, Carleton College

Teaching and Communication Experience

- 2021 **Teaching Assistant**
Ocean 285–Physics Across Oceanography: Fluid Mechanics and Waves
School of Oceanography, University of Washington, Seattle
- 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 **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