

TYLER COX

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EDUCATION

University of Washington, Seattle, WA Expected June 2024
PhD. Atmospheric Science.
GPA 3.76/4.00.

University of Washington, Seattle, WA December 2020
M.S. Atmospheric Science.
GPA 3.76/4.00.

Bowdoin College, Brunswick, ME May 2017
Bachelor of Arts, Physics – *cum laude*. Minor: Earth and Oceanographic Science.
GPA 3.86 / 4.00

RESEARCH

Idealized Climate Modeling of Atmospheric Heat Transport September 2018- Present

- Exploring the fundamental underpinnings of atmospheric heat transport through the use of global circulation models of varying complexities
- Altering existing Fortran based climate models to probe role of radiative and dynamic constraints on heat transport
- Analyzing model output using Python

AWARDS

- **American Meteorological Society Graduate Fellowship** 2018- 2019
- **Hobbs Atmospheric Sciences Fund Recipient**, *University of Washington Atmospheric Sciences Department* 2018-2019
- **American Association of Physics Teachers Learning Assistant Prize** 2017
- **James and Sarah Bowdoin Scholar**, *Bowdoin College* 2017

TEACHING EXPERIENCE

Atmospheric Motions II University of Washington December 2019- March 2020
Instructor

- Taught Python based atmospheric dynamics lab to 11 senior undergraduates and first-year graduate students
- Developed labs based on previous course materials

Justice and Equity in Academia University of Washington September- December 2020
Instructor

- Developed course material for 60 person seminar
- Co-lead several classes throughout the quarter

EXTRACURRICULARS

- **Actionable Community Oriented Research Engagement program founder**, *University of Washington* 2020- Present
 - Developing program to provide opportunities for graduate students to do community science
 - Currently coordinating 7 students doing 5 projects
- **College of the Environment Student Advisory Council Co-chair**, *University of Washington* 2019- Present
- **Program on Climate Change Graduate Steering Committee Member**, *University of Washington* 2019- Present
- **Atmospheric Sciences Department Undergraduate Mentor**, *University of Washington* 2018- Present
- **Atmospheric Sciences Department Community Outreach Member**, *University of Washington* 2018- Present

PROFESSIONAL EXPERIENCE

City of Tacoma Office of Environmental Sustainability Tacoma, WA September 2017- July 2018
Program Coordinator/AmeriCorps Intern

- Oversaw the implementation of “Healthy Homes, Healthy Neighborhoods”, a sustainability-focused service engagement project to improve underserved communities’ access to cost-saving resources
- Managed three interns, including candidate interviewing, weekly scheduling, and field-work supervision

SKILLS

Computer Skills: Python, Fortran, Mac, PC, and Linux proficient, Matlab, Microsoft Office Suite

Languages: Intermediate Spanish