



Henri F. Drake

Graduate student, MIT / WHOI joint program in Physical Oceanography

Education

- 2016–present **Doctor of Philosophy**, *MIT / WHOI Joint Program in Oceanography*.
Physical Oceanography
- 2011–2015 **Bachelor of Science**, *Haverford College, Magna Cum Laude*.
Mathematics

Research

- 2016–present **MIT / WHOI Joint Program in Oceanography**.
Research Assistant (Physical Oceanography)
- 2015–2016 **Princeton University**.
Research Assistant (Physical Oceanography)
- 2014–2015 **Haverford College**.
Research Assistant (Knot Theory)
- 2013 **University of Southern California**.
Research Assistant (Quantum Computing)
- 2012 **Clarkson University**.
Research Assistant (Environmental Sensor Development)

Awards

- 2016–2017 **Presidential Fellowship Program**, *Massachusetts Institute of Technology*.
Graduate fellowship
- 2016 **Graduate Research Fellowship Program**, *National Science Foundation*.
Honorable mention
- 2015 **Haverford College**.
Honors thesis
- 2013 **Howard Hughes Medical Institute**.
Summer research fellowship
- 2012 **Research Experience for Undergraduates (REU)**, *National Science Foundation*.
Summer fellowship

Conference Presentations

- 2016 **Southern Ocean Carbon and Climate Observations and Modeling (SOCCOM) Annual Meeting (Year 2)**, *La Jolla, CA*, Co-presented with Veronica Tamsitt, 05/10.
"3-D Pathways of Deep Water Upwelling"
- 2016 **Ocean Sciences 2016: "Past, Present, Future Climate"**, *New Orleans, LA*, 02/22.
"Lagrangian Upwelling Pathways of Deep Waters in the Southern Ocean"

Seminar Presentations

- 2016 **Princeton University - Ocean Biogeochemistry spring seminar series**, *Princeton, NJ*, 02/05.
"The Lagrangian Deep Water Upwelling Pathways in the Southern Ocean"
- 2016 **Southern Ocean Carbon and Climate Observations and Modeling (SOCCOM) graduate student and post-doc webinar series**, *Princeton, NJ*, 06/21.
"3D Visualization and Animation in Python"
- 2016 **Princeton University - Atmospheric and Oceanic Sciences student and post-doc seminar series**, *Princeton, NJ*, 06/27.
"Modelling Lagrangian upwelling pathways of deep waters in the Southern Ocean"

Workshops

- 2015 **Workshop on the Future of Lagrangian Ocean Modelling**, *London, UK*, 10/23-10/25.

Teaching

- 2015 **Teaching assistant at Math Question Center**, *Haverford College*.
- 2012-2013 **Peer Tutor in Mathematics and Physics**, *Haverford College*.