



# Henri F. Drake

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Graduate student at MIT / WHOI joint program in Physical Oceanography

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## Education

2011–2015 **Bachelor of Science**, *Haverford College*, *Magne Cum Laude*.  
Mathematics

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## 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)

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## Publications

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## 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*.