

**SARAH DENDY**  
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## EDUCATION

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**University of Illinois, Urbana-Champaign** 2017-2022  
Graduate Student

**University of California, Berkeley** Dec 2011  
Bachelor of Arts, Marine Science

**Gemological Institute of America** Apr 2004  
Graduate Gemologist

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## RESEARCH EXPERIENCE

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**Columbia University, Lamont-Doherty Earth Observatory**, Palisades, NY  
*Research Staff* Aug 2016–June 2017  
Principal Investigator: Dr. Maureen Raymo; U-series and Strontium geochronological analysis of carbonate sea-level markers. Future work will aim to reconcile discrepancies between geologic observations and sea-level model predictions.

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**Harvard University**, Cambridge, MA  
*Research Fellow* Feb 2015–June 2016  
Principal Investigator: Dr. Jerry Mitrovica; Using a sea level model, I investigated global variability in sea-level change due to changes in glacial distribution.

*Research Fellow, Teaching Fellow, Lab Manager* Aug 2014–Jan 2015  
Principal Investigator: Dr. Francis Macdonald; Mineral preparation, lab user training, and facility maintenance and development in compliance with the Environmental Health and Safety board.

*Lab Assistant* Jan–Aug 2014  
Principal Investigator: Dr. Francis Macdonald; Performed mineral separation and prepared samples for U-Pb geochronological analysis; carried out analysis at Boise State Isotope Geology Laboratory.

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**Central Caribbean Marine Institute**, Little Cayman Island  
*Internship (immersive)* June–July 2011  
Studied coral reef conservation and ecology. Measured the growth and spalling rates of the calcareous green algae, *Halimeda*, with the aim of determining its relationship to local carbon cycle and deposition rates.

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**UC Berkeley**, Berkeley, CA  
*Independent Study* Jan–June 2011  
Contributed to the development of a novel nanometer-scale goethite synthesis to determine unique reactive properties.

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**Lawrence Livermore National Laboratory**, Berkeley, CA  
*Student Intern* Jan 2009–Dec 2010  
Studied ocean carbon cycle dynamics and contributed to the development of the Carbon Flux Explorer (CFE), an autonomous robot designed to observe ocean carbon sedimentation changes with daily resolution. Provided support during the initial launch of the CFE in the San Clemente Basin.

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**Hubbs Fish Hatchery**, Carlsbad, CA  
*Intern* June–Aug 2008  
Worked on the restoration of the California white sea bass population. Monitored productivity and death rates, and

conducted experiments towards the development of a more cost-effective diet.

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## PUBLICATIONS

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S. Dendy, J. Austermann, J.R. Creveling, J.X. Mitrovica. *Sensitivity of Last Interglacial Sea Level High Stands to Ice Sheet Configuration During Marine Isotope Stage 6*. Under revision at Quaternary Science Review.

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## TEACHING EXPERIENCE

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Teaching Fellow, *Natural Disasters* Harvard, MA  
Received Certificate of Distinction in Teaching Spring 2016

Teaching Fellow, *Field Experiences in Earth and Planetary Sciences (immersive)* Harvard, MA  
Month-long field mapping course in Death Valley, NV January 2015

Teaching Fellow, *Introduction to Earth Dynamics* Harvard, MA  
Laboratory and section components Fall 2014

Outdoor Education Guide, *Canyonlands Field Institute* AmeriCorps, UT  
Earth Sciences to grades 4-12 in remote desert wilderness Feb–Oct 2012

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## PROFESSIONAL EXPERIENCE

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College Program Developer & Climbing Instructor, MetroRock Climbing Center (full time) Nov 2012–Aug 2014

Program Instructor, TERI, Inc. (full time) Apr–Nov 2008

Wine Host, Holiday Wine Cellars (part time) Sep 2007–Apr 2008

Client Management, Tiffany & Co. (full time) Aug 2006–Aug 2007

Diamond Grader, Gemological Institute of America (full time) Apr 2004–Aug 2006

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## ATTENDED WORKSHOPS & CONFERENCES

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North-Central, Geological Society of America 04/2018  
*Poster Presentation*

Revealing Your Hidden Core with X-Ray Fluorescence, UW-Madison Prof. Stephen Meyers, Columbia University. 12/2016

The construction of high-precision Astronomically-calibrated Time Scales: A short course and Workshop with Applications in R, UW-Madison Prof. Stephen Meyers, Columbia University. 10/2016

PlioMax, Harvard University 1/2016  
*Presented: The effect of the MIS 6 ice sheet configuration on interpreting last interglacial sea level highstands.*

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## REFERRALS

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Dr. Jerry Mitrovica, *Frank B. Baird, Jr. Professor of Science* jxm@eps.harvard.edu  
Earth & Planetary Sciences, Harvard University, 20 Oxford St., Cambridge, MA 02138 (617) 496-2732

Dr. Francis MacDonald, *John L. Loeb Associate Professor of the Natural Sciences* fmacdon@fas.harvard.edu  
Earth & Planetary Sciences, Harvard University, 20 Oxford St., Cambridge, MA 02138 (617) 496-2236

Dr. Jacqueline Austermann, *Newton International Research Fellow* Ja629@cam.ac.uk  
Earth Sciences, University of Cambridge, Madingley Road, Cambridge, CB3 0EZ. UK. (857) 991-8767