PHOEBE ROBINSON DEVRIES
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EDUCATION

Harvard University, Cambridge, Massachusetts, 2010-present
PhD in Earth and Planetary Sciences, May 2017.
MA in Earth and Planetary Sciences, May 2012.

Cambridge University, Cambridge, United Kingdom, 2009-2010
MPhil in Polar Studies with Distinction.

Harvard University, Cambridge, Massachusetts, 2005-2009
AB in Applied Mathematics.

AWARDS AND HONORS

Bowdoin Prize Winner for Graduate Essay in the Natural Sciences, Harvard University, 2017.

Harvard Horizons Scholar, 2016.

Certificates of Distinction in Teaching, Harvard University, Fall 2014 and Fall 2015.

Department of Energy Computational Science Graduate Fellow, funding four years of my PhD, 2011 – 2015.

Director's Reserve Allocation, National Energy Research Scientific Computing Center, one million CPU hours.

Winner of the "Communicate Your Science and Engineering" contest for an essay entitled "When?" Krell Institute, 2014.

Conant Prize Judge, Harvard University, 2015-present.

Hershel Smith Fellowship, Cambridge University, 2009-2010.

Phi Beta Kappa, inducted 2009.

Marie L. Rose Scholarship, awarded for academic excellence by the Huguenot Society of America, 2007-2009.

College Rowing Coaches Association Scholar-Athlete Honors, awarded by the National Collegiate Athletic Association (NCAA), 2007-2009.

TEACHING AND ADVISING

Resident Tutor, Cabot House, Harvard University, 2014-present.
Officer of Harvard College responsible for creating and maintaining a safe environment for the undergraduates in an entryway in Cabot House, academic advisor to a group of Harvard College sophomores, and a science, fellowships, and sexual assault prevention and response advisor for Cabot House students.

Teaching Fellow, *Earth and Planetary Sciences 21: The Dynamic Earth*, Harvard University, Fall 2015.
Prepared laboratories exercises, planned field trips, and taught a laboratory section of nine students for 3 hours a week.

Head Teaching Fellow, *Science of the Physical Universe: Natural Disasters*, Harvard University, Fall 2014. Prepared Geographic Information Systems (GIS) and laboratory exercises, drafted exams, and organized the administration of a class of 60 students.

PUBLICATIONS

DEVRIES, P., T. Ben Thompson, and B. Meade (2017), Enabling large-scale viscoelastic calculations via neural network acceleration, *Geophysical Research Letters*, *44*, doi:10.1002/2017GL072716.

DEVRIES, P., P. Krastev, J. Dolan and B. Meade (2016), Viscoelastic block models of the North Anatolian fault: a unified earthquake cycle representation of pre- and post-seismic observations, *Bulletin of the Seismological Society of America*, *107*, doi:10.1785/0120160059.

DEVRIES, P. and E. Evans (2016), Statistical tests of simple earthquake cycle models, *Geophysical Research Letters*, *43*, doi:10.1002/2016GL070681.

DEVRIES, P., P. Krastev and B. Meade (2016), Geodetically constrained stress transfer and earthquake triggering along the North Anatolian fault, *Geochemistry, Geophysics, Geosystems*, *17*, 2700–2716, doi:10.1002/2016GC006313.

DEVRIES, P. and B. Meade (2016), Kinematically consistent models of viscoelastic stress evolution, *Geophysical Research Letters*, *43*, doi:10.1002/2016GL068375.

DEVRIES, P. and B. Meade (2013), Earthquake cycle deformation in the Tibetan plateau with a weak mid-crustal layer, *Journal Geophysical Research: Solid Earth*, *118*, 3101-3111.

ROBINSON, P. and J.A. Dowdeswell (2011), Submarine landforms and the behavior of a surging ice cap since the last glacial maximum: the open marine setting of Austfonna, Svalbard, *Marine Geology, 286*, 82-94.

ORAL PRESENTATIONS

DEVRIES, P., T. Ben Thompson, and B. Meade (2016), Accelerating viscoelastic calculations with neural networks, Invited talk, *American Geophysical Union*, San Francisco, CA.

DEVRIES, P. and B. Meade (2016), Time-dependent stress transfer and earthquake triggering along the North Anatolian fault in Turkey, *Harvard Horizons Symposium*, Cambridge, MA.

DEVRIES, P., P. Krastev and B. Meade (2015), Geodetically constrained models of viscoelastic stress transfer and earthquake triggering along the North Anatolian Fault, Invited talk, *Computational Research in Boston and Beyond Seminar*, Massachusetts Institute of Technology, Boston, MA.

DEVRIES, P., P. Krastev and B. Meade (2015), Geodetically constrained models of viscoelastic stress transfer and earthquake triggering along the North Anatolian Fault, *Department of Energy Computational Science Graduate Research Fellowship (CSGF) Annual Review Conference*, Washington D.C.

DEVRIES, P., P. Krastev and B. Meade (2014), Viscoelastic block models of the North Anatolian fault, Invited talk, *American Geophysical Union*, San Francisco, CA.

DEVRIES, P. and B. Meade (2013), 60 years of viscoelastic relaxation across the North Anatolian fault, *American Geophysical Union*, San Francisco, CA.

DEVRIES, P. and B. Meade (2012), Earthquake cycle deformation in the Tibetan plateau with a weak mid-crustal layer, *American Geophysical Union*, San Francisco, CA.

POSTER PRESENTATIONS

DEVRIES, P., T. Ben Thompson and B. Meade (2016), Accelerating viscoelastic calculations with neural networks, *Southern California Earthquake Center Annual Meeting*, Palm Springs, CA.

DEVRIES, P., P. Krastev and B. Meade (2016), Geodetically constrained models of viscoelastic stress transfer and earthquake triggering along the North Anatolian fault, *American Geophysical Union*, San Francisco, CA.

DEVRIES, P. and B. Meade (2014), Sixty years of viscoelastic relaxation across the North Anatolian fault, *Department of Energy CSGF Annual Review Conference*, Washington D.C.

DEVRIES, P. and B. Meade (2013), Three-dimensional viscoelastic models of the earthquake cycle, *Department of Energy CSGF Annual Review Conference*, Washington D.C.

DEVRIES, P. and B. Meade (2012), Inference of lower crustal viscosity in Tibet from geodetically constrained Earthquake Cycle Models, *Department of Energy CSGF Annual Review Conference*, Washington D.C.

ROBINSON, P. and B. Meade (2011), Effect of a weak lower crustal channel in Tibet on geodetic velocities, *American Geophysical Union*, San Francisco, CA.

OTHER

Collegiate Athletics
Harvard-Radcliffe Varsity Crew Team (NCAA Division I), 2005-2009.

Outreach
Tutor at South Middlesex Correctional Institute, a minimum security women's prison, Spring 2015.
Geology Outreach Visit, West Parish Middle School, Gloucester, Massachusetts, Spring 2014.

Language
French (proficient).