

Curriculum Vitae

Nicholas Harmon
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Email: Nicholas_Harmon@brown.edu

Education:

B.A. Boston University, 2000, Summa Cum Laude

M.S. Brown University, 2004

Professional Experience:

2001-2004, Research Assistant, Brown University, Providence, RI

2000-2001, Research Assistant, Boston University, Boston, MA

- Assisted Professor Geoffrey Abers in determining the depth to the subducted slab beneath volcanic arcs using earthquake locations

2000-2001, Research Associate, Circles Incorporated, Boston, MA

- Performed product, travel, and leisure research for American Express Platinum and Centurion Card members
- Generated reports synthesizing the results of research for clientele
- Maintained database

Teaching Experience:

Spring 2005 – The Harriet W. Sheridan Center for Teaching and Learning Certificate I, Brown University

- Through a year long series of lectures and workshops developed a reflective teaching style

Spring 2005 – Teaching Assistant for Oceanography, Brown University

- Led discussion sections and graded assignments
- Assisted students in collecting field data
- Delivered guest lecture on waves

Spring 2005 – Science Outreach Teacher Vartan Gregorian Elementary School, Providence, RI

- Collaborated with fellow graduate students to present science activities to two 4th grade classes

Fall 2004 – Teaching Assistant for Solid Earth Geophysics, Brown University

- Assisted students with homework and projects
- Graded assignments

1997-2000 – Teachers Aide for Boston University Initiative for Literacy Development in Boston Public Schools, Boston MA

- Worked with special needs 1st grade children in Farragut Elementary School in Roxbury, Boston to develop basic literacy and arithmetic skills.

Field Experience:

May 2005 – RIDGE 2000 Troodos Ophiolite Field School

- Through a series of lectures and field trips examined the stratigraphy of the Troodos Ophiolite

Nov-Dec 2002 – Research Cruise – Vancouver 4 Leg on RV Melville

- Oversaw the collection of underway geophysical data, merged data with pre-existing dataset
- Collected rock samples using dredge
- Recovered Ocean Bottom Seismometers

Nov-Dec 2001 – Research Cruise -- Cook 16 Leg on RV Melville

- Stood watch, insuring that all underway geophysical equipment was functioning properly
- Collected rock samples using a dredge and wax corer
- Deployed and Recovered Ocean Bottom Seismometers

Summer 2000 – Summer of Applied Geophysical Experience (SAGE) workshop

- Attended a series of lectures on shallow earth geophysical techniques
- Applied lecture material to conduct original research using a variety of geophysical techniques, including gravity, GPR, seismic reflection, seismic refraction, electromagnetics, and magnetotellurics, in the Santa Fe River Canyon, New Mexico.

Honors and Awards:

Dissertation Fellowship 2005

Phi Beta Kappa, 2000

Boston University Geology Prize, 2000

Eagle Scout, 1996

Publications and Abstracts:

Harmon, N; Forsyth, D W; Scheirer, D; Holmes, C. Analysis of Gravity and Topography in the GLIMPSE Study Region: Isostatic Compensation and Uplift of the Sojourn and Hotu Matua Ridge Systems. Manuscript in preparation to be submitted to J Geophys. Res. 2005.

Forsyth, D W; Harmon, N; Scheirer, D; Duncan, R. The Distribution of Recent Volcanism and the Morphology of Seamounts and Ridges in the GLIMPSE Study Area: Implications for the Lithospheric Cracking Hypothesis for the Origin of Intraplate, Non-Hotspot Volcanic Chains. Manuscript in preparation to be submitted to J Geophys. Res. 2005.

Harmon, Nicholas; Forsyth, Donald W.; Fischer, Karen M.; Webb, Spahr C.

Variations in shear-wave splitting in young Pacific seafloor, *Geophys. Res. Lett.*, Vol. 31, No. 15, L15609 10.1029/2004GL020495, 2004

Harmon, N; Forsyth, D; Scheirer, D 2004, Evidence for Topographic Swells Beneath Gravity Lineations in the South Pacific, *EOS Trans. AGU*, 85(47), Fall Meeting Suppl., Abstract V31B-1437

Harmon, N; Forsyth, D; Scheirer, D 2003, Analysis of Gravity in the GLIMPSE study region: evidence for deeper mantle processes in the formation of the Sojourn and Hotu Matua ridge systems. *EOS Trans. AGU*, 85(46), Fall Meeting Suppl., Abstract V12B-0579

Lamm, R A; Harmon, N; Forsyth, D; Webb, S 2003, P and S wave delay times and SKS splitting results from the GLIMPSE experiment: comparison with gravity anomalies and recent volcanism. *EOS Trans. AGU*, 85(46), Fall Meeting Suppl., Abstract V12B-0580