

David P. Mayer

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Professional Preparation

Graduate Student 2007–Present
Department of Earth & Planetary Sciences Washington University St. Louis

B.A. Earth Sciences (With Distinction, Cum Laude) 2007
Department of Earth Science Boston University
Senior Thesis Title: “Evidence for Glaciation on Mars: Eastern Hellas Region”
Advisor: Dr. David R. Marchant

Funding

Graduate Student Research Fellowship 2007–Present
\$18,000

Awards & Honors

Dean’s List, Boston University Spring 2004, Spring–Fall 2006
Eagle Scout, Boy Scouts of America 2003

Teaching Experience

Earth & the Environment, Teaching Assistant Spring 2008
Earth & the Environment, Guest Lecture Spring 2008

Employment

Boston University Stable Isotope Laboratory Boston, MA
Laboratory Assistant 2004–2007
Prepared samples of water and plant and animal tissue for stable isotope analysis and performed analysis of stable oxygen and carbon isotopes on Finnigan Delta-S isotope ratio mass spectrometer. Preparation methods included cryo-distillation of carbon dioxide gas using a glass vacuum line. Supervisor: Robert Michener.

Camp Summer, Game 7 LLC Milford, CT
Assistant Director Summer 2006
Assisted in operating summer day camp and enrichment program for children ages 5–11. Supervisor: Robert Blake.

Camp Summer, Game 7 LLC Milford, CT
Science Counselor 2003–2006
Developed and implemented an eight-week, inquiry-based, general science curriculum at summer day camp and enrichment program for children ages 5–11. Supervisor: Robert Blake.

Professional Development & Field Experience

James Madison University County Galway, Ireland
Summer 2007
Completed field geology course for academic credit. Course focused on field mapping of formerly

glaciated landscapes, karst systems and regions with convoluted metamorphic histories. Work also included a digital field mapping exercise and introduction to ArcGIS. Course was six weeks in duration. Supervisor: Dr. Steven Whitmeyer.

Yale University

Boulder, UT
Summer 2005

Participated in the 2005 Peabody Museum of Natural History paleontology expedition to Grand Staircase Escalante National Monument. Work involved excavating, properly securing paleontological specimens from two dig sites for transfer to the museum's collections in New Haven, CT. Additionally served as principal photographer for the expedition. Field work began in late May and continued for three weeks. Supervisor: Marilyn Fox.

Yale University

New Haven, CT
Spring 2003

Prepared and conserved specimens in the Peabody Museum of Natural History's vertebrate paleontology collection over an eight-week period as part of a high school internship. Supervisor: Marilyn Fox.

Computer Skills

Expert: Mac OS X, Illustrator

Intermediate: Ubuntu Linux, BSD UNIX, Miscellaneous Windows platforms, HTML/CSS, gnuplot, L^AT_EX2_ε, ISIS, ENVI, Photoshop

Professional Associations

American Geophysical Union

Geological Society of America