

Stefanie Dilts

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Education:

- Master of Science, Geology – University of North Carolina – Chapel Hill (August, 2006)
Research Interest: Zircon analysis of the Ashe Metamorphic Suite to further constrain an exhumation mechanism for the Blue Ridge eclogite, NC. Primary Advisor: Dr. Kevin Stewart
- Bachelor of Science, Geology – University of Pittsburgh (April, 2004)
Honors: Magna cum Laude, Program Honors in Geology
Undergraduate Research: Using oxide mineralization to constrain the timing of an Appalachian fluid event. Advisor: Dr. Mark Evans (Central Connecticut State University)
- 40-Hour HAZWOPER Certification (December, 2002)

Relevant Experience:

Field Experience

- Spring/Summer 2005: Various locations in Central North Carolina gathering basalt samples to geochemically reconstruct the Carolina Slate Belt Terrane.
- January 3-23, 2005: Mojave Desert, assistant to Masters student, Emily Gurney, studying tectonic geomorphology of the Camp Rock Fault and Su Casa fold.
- March 7-11, 2004: South-western Puerto Rico, aiding PhD student Daniel Lao-Davila in reconnaissance field work focusing on regional tectonics.
- May 31-July 2, 2003: Successfully completed field camp in Western Ireland through Boston University.

Work Experience:

University of North Carolina at Chapel Hill – Chapel Hill, NC 8/04-Present
Graduate Teaching Assistant

- Responsible for organizing and teaching multiple sections of Physical Geology Labs (Geol 11L).
- Duties include grading and holding office hours for additional help.

BAE Systems ADR – Pittsburgh, PA 1/03-4/03, 9/03-4/04
Photogrammetric Intern

- Responsible for interpreting radar and extracting water bodies from data gathered by the Shuttle Radar Topography Mission directed by the National Imagery and Mapping Association.

University of Pittsburgh – Pittsburgh, PA 9/02-12/02, 9/03-4/04
Undergraduate Teaching Assistant (UTA)

- Successfully prepared, presented, and attended the Physical Geology Laboratory lectures.
- Held for holding office hours for further help.

Computer and Technical Skills:

- Scientific Reader/Editor for *Landmarks* by Dr. John J.W. Rogers (yet to be published).
- Experience in operating Windows 98/2000/XP/NT, UNIX and Solaris operating systems.

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- Operating knowledge of Arc/Info, ArcView, ArcMap, ArcCatalog, SocetSet, and GPS units.
- Experience in preparing petrographic thin sections and analyzing SEM/CL images.
- Working knowledge of crushing rock specimens for zircon extraction and whole rock geochemistry analyses.

Honors and Professional Memberships:

- Awarded J. Robert Butler Memorial Scholarship Fund, 2005.
- Awarded Geological Society of America Graduate Student Research Grant, 2005.
- Awarded Graduate Teaching Assistantship through the University of North Carolina – Chapel Hill, renewable for two years (2004-2006).
- Awarded summer funding through Martin Trust Fund at the University of North Carolina – Chapel Hill, (2005-2006).
- Named to the Dean's Honor List multiple terms at the University of Pittsburgh.
- Awarded University of Pittsburgh's Nationality Room Scholarship: U.S. LST Association/Irish Committee Scholarship, 2003.
- Awarded Norman K. and Margaret Flint Memorial Field Scholarship, 2003.
- Student Member of American Geophysical Union (2005-present)
- Student Member of The Geological Society of America (2002-Present)
- Student Member of The American Association of Petroleum Geologists (2002-2004)
- Sigma Gamma Epsilon Earth Science Honor Society Member (2003-2004)

Travel/Volunteerism

- Invited to speak to students at Landisville Middle School regarding careers in geology, May, 2004.
- Carnegie Museum of Natural History Gem and Mineral Show Volunteer, November, 2002.
- Traveled to Calcutta, India to work as a volunteer with Mother Teresa's Missionaries of Charity; December, 2000.
- Tour of Spain sponsored by Hempfield High School Spanish department; June, 1999.