

Nicole Cox

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OBJECTIVE

To work as a full-time employee, January 2006 – July 2006, utilizing my geologic skills and knowledge for field and laboratory applications. Following this, to attend a graduate school and obtain a MS degree with an emphasis in Geophysical Structure Analysis, with special interests in Engineering and Hazard Assessment.

EDUCATION

Geology B.S. Dec. 2005
Brigham Young University, Provo, UT

Awards: American Women Geoscientist (AWG): Salt Lake Chapter 2005
Year's Outstanding Female Geoscientist
Outstanding Field Student (Geo 210) 2002

RELEVANT EXPERIENCE

Brigham Young University, Tectonic Geomorphology Summer 2005-present
Undergraduate mentorship, Dr. Ron Harris and Dr. Dorothy Merritts (Franklin & Marshal; Lancaster, PA)

- Surveyed and sampled uplifted reef terraces, East Timor
- Organized and operated field work, operated a Trimble Pro XRS receiver
- Currently analyzing terrace profiles using GIS programs and relative sea-level curves
- Currently creating illustrations for hazard awareness and educational publications

Brigham Young University, Field Camp (Geo 410) Spring 2005
Participant in three mapping locations: two near Cedar City and one near Vernal

- Applied geologic terminology and procedures in the field
- Used both topographical maps and aerial photos to prepare geological maps
- Practiced quaternary/structural/plutonic mapping
- Received high scores for procedural methods and results

National Science Foundation and Brigham Young University Oct. 2004-Dec. 2005
Undergraduate Educational Outreach Project, Dr. John McBride

- Created, directed, and produced a media presentation (DVD) explaining the geophysical methods of Reflection Seismology for secondary education students
- Presented at the Geological Society of America 2005 Conference

Brigham Young University, Sedimentology and Geochemistry Fall & Winter 2004
Undergraduate mentorship, Dr. Thomas H. Morris, in association with Doug Sprinkel (UGS)

- Gathered and prepared samples
- Performed and interpreted a geochemical analysis for carbon gases

Brigham Young University, Geophysics Fall 2004-Fall 2005
Seismic surveys, Dr. John McBride

- Performed exploration seismology methods
- Analyzed reflection/refraction/shear-wave/surface wave data

Brigham Young University, Field Studies (Geo 210) Aug. 2004 & 2005
Field Studies Teaching Assistant, Dr. Thomas H. Morris and Dr. Ron Harris

- Taught mapping skills and field book organization for beginning Geologists
- Assisted in teaching and grading for a week in the field

**National Museum of Natural History,
Smithsonian Institution, GeoArchaeology**
Internship, Jean-Daniel Stanley and Tom Jorstad

May 2002-Aug. 2002

- Collected grain-size analyses from a Coulter LS2000
- Stratigraphed and correlated sediment cores based on Lithology, Age, and Grain-size
- Wrote interpretative paper of results
- Acknowledged in published work

OTHER EXPERIENCE

Steward, BYU catering

June 2004-April 2005

- Cooked for large groups
- Displayed loyalty and hard work

Sept. 2001-May 2002

***Full-time Missionary, LDS church,
Central Washington area***

Sept. 2002-Mar. 2004

- Given leadership responsibilities
- Created new visuals for teaching

SKILLS

Languages: Spanish: fluent speech, reading and writing; Portuguese: conversational speech and some reading; Tetum (native language of East Timor): small talk and some reading

Computer: GPS equipment, GIS software, Adobe Illustrator and Photoshop, Microsoft Office applications (Excel, PowerPoint, Word), PC and MAC Video editing software (Final Cut and Adobe Pro Premier)

Other: SCUBA diving