

Andrew McPeak

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Objective

I want to expand my knowledge and experience in order to pursue a career as a professional geoscientist in the energy industry.

Education

Master of Science in Geology, Candidate - Expected graduation date- Spring, 2017

University of Wyoming, Department of Geology and Geophysics, Laramie, WY

Thesis Title: *Investigating Faulting and Tectonics at Atlantis Massif – Mid Atlantic Ridge 30°N*
(Advisors: Barbara John and Michael Cheadle)

Bachelor of Science in Geological Science – With Honors, Graduated May 2015

University of Texas at Austin, Jackson School of Geosciences, Austin, TX

GPA: Overall - 3.66, Within Major - 3.79

Thesis Title: *Seamount Arrival into the Franciscan Subduction Complex at 100 ± 2 Ma: Marin Headlands, San Francisco Bay, California* (Advisor: Mark Cloos)

- Dated Marin Headlands seamount arrival to Franciscan Trench with U/Pb dating of detrital zircons and petrographic mineral identification
- Implications for tectonic evolution of the San Francisco Bay area

Geologic Experience

University of Wyoming (Department of Geology and Geophysics) - Barbara John

- Graduate Teaching Assistant – Structural Geology August, 2015-Present
 - Independently lead structural geology lab sessions
 - Orient and lead field trips + mapping projects
 - Evaluate/grade progress of students in course

Wyoming Center for Hydrology and Geophysics – Steve Holbrook

- Field Research Technician June, 2015- August, 2015
 - Project aimed at imaging soil layer(s) with geophysics between atmosphere and bedrock to better constrain hydrologic parameters and sub-surface structures
 - Assembled and operated seismic and resistivity surveys in CA, ID, OR, WY
 - Processed seismic reflection data for modeling
 - Carried out GPS along seismic lines (Trimble GPS)
 - Inventory of seismic and resistivity equipment
 - Conducted magnetic surveys

University of Texas at Austin (Jackson School of Geosciences) - Mark Cloos

- Undergraduate Research Assistant July, 2013 – May, 2015
 - Described and identified minerals in mining core samples for describing evolution of Grasberg-Ertsberg Intrusion (Grasberg-Ertsberg Mine, New Guinea)
 - LA-ICPMS U/Pb zircon dating of core and detrital samples
 - XRD analysis of core samples
 - Standard heavy mineral separation of core and detrital samples

Presentations

- **Geological Society of America (Cordilleran Section)- Anchorage, Alaska** May, 2015
-Presentation/Talk Title: Seamount Arrival into the Franciscan Complex at 100 ± 2 Ma: Marin Headlands, CA
- **Jackson School Research Symposium- Austin, Texas** February, 2015
 - Poster Title: Seamount Arrival into the Franciscan Complex at 100 ± 2 Ma: Marin Headlands, San Francisco Bay, CA
 - Won 2nd place for Best Undergraduate Poster

Skills

- Field work and geologic mapping - experienced with compass and Trimble GPS
- Basic knowledge in MatLab programming
- Adept at processing seismic reflection data (Geogiga Seismic Pro)
- Experienced in using Isoplot to reduce U-series data
- Conversant in German (2 semesters; reading and speaking-non scientific)

Honors and Awards

UT Field Camp Scholarship, Summer 2014

Honors list, Spring 2012 through Spring 2015

Estwing Hammer Geoscientist Award, Spring 2015

2nd place Winner of Best Undergraduate Poster, Jackson School Research Symposium

2nd place Winner of Folk-McBride Petrography Contest, Spring 2015

Professional Affiliations

Geologic Society of America (member); American Institute of Professional Geologists (member);

UT Undergraduate Geological Society (member); Jackson School Undergraduate Honors Program (member)

Outside Interests

- Students Raising Students – Student mentor program fostering collaboration
- Hiking/mountaineering, snowboarding
- Drawing
- Competed in high school football, lacrosse, track and field