

Carolyn Finé Gorny
Curriculum Vitae
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Education:

Bachelor of Science, University of California Santa Barbara, Geological Sciences with Earth Systems emphasis, 2008. Advisor: Cathy Busby; Honors Thesis Topic: *An in depth analysis of the distal facies of the Table Mountain Latite*. Overall GPA 3.43, Upper Division Major GPA 3.8

Awards and Honors:

- Dean's Honor Fall 2006, Winter 2008, Spring 2008
- Maureen Driscoll ACE Writing Award 2004-2005
- York Mandra Award 2007
- Outstanding Academic Achievement Award 2007, 2008
- Department of Earth Science Distinction in the Major 2008
- Outstanding Senior Award 2008
- Coast Geologic Society's Tom Bailey Brunton Award for Excellence in the Field Award 2008
- Coast Geologic Society's University Undergraduate Scholarship Award 2008

Publications:

Gorny, C., Hagan, J., Busby, C. *An In-Depth Analysis of the Distal Facies of the Table Mountain Latite, Knights Ferry, CA.* The Geological Society of America Annual Meeting, Cordilleran Section (104th Annual) and Rocky Mountain Section (60th Annual) Joint Meeting 19–21 March 2008. Paper No. 16-16. Abstract.

Gorny, C., *An In-Depth Analysis of the Distal Facies of the Table Mountain Latite, Knights Ferry, CA.* Unpublished thesis.

Gorny, C., Busby, C., Pluhar, C., Hagan, J., and Putirka, K., *An in-depth look at distal Sierra Nevada paleochannel fill: drill cores through the Table Mountain latite near Knight's Ferry:* in press for the Nevadaplano special issue of International Geological Review, Gary Ernst, editor, 18 ms pp.

Professional Presentations:

Gorny, C., Hagan, J., Busby, C. *An In-Depth Analysis of the Distal Facies of the Table Mountain Latite, Knights Ferry, CA.* The Geological Society of America Annual Meeting, Cordilleran Section, March 2008.

Gorny, C., Hagan, J., Busby, C. *An In-Depth Analysis of the Distal Facies of the Table Mountain Latite, Knights Ferry, CA.* University of California, Santa Barbara Department of Earth Sciences Graduate Research Review, May 2008.

Gorny, C., Hagan, J., Busby, C. *An In-Depth Analysis of the Distal Facies of the Table Mountain Latite, Knight Ferry, CA.* The University of California, Santa Barbara Undergraduate Research Colloquium, May 2008.

Gorny, C., Hagan, J., Busby, C. *An In-Depth Analysis of the Distal Facies of the Table Mountain Latite, Knights Ferry, CA.* At Condor Earth Technologies and Oakdale Irrigation District, August 2008.

Gorny, C. *The Distribution of Snakes and Lizards with respect to Slope, Aspect, and Elevation, Chimineas Ranch, CA.* Geology 194 Group Studies for Advanced Students- Geological applications of GIS. Final Presentations, June 2008.

Grants:

University of California, Santa Barbara Undergraduate Research in Creative Studies, summer 2007.

Research and Field Experience:

- Field Assistant, UCSB: Helped map the volcanic stratigraphy of the central Sierra Nevada, 2006
- Research assistant, UCSB: Gathered drill core data, created core logs for three drill cores, carried out volcanic and sedimentary process interpretation of outcrops and cores, completed a Senior Honors Thesis, 2008.
- Laboratory assistant in Cathy Busby lab, UCSB: Textural and Modal Analysis of Cenozoic volcanic-volcaniclastic rocks from the central Sierra Nevada, prepared petrographic reports, prepared rock samples by cutting using a table rock saw and slab saw, 2006-2008.
- Prepared XRF samples, 2007.
- Petrographic and Modal analysis of the Table Mountain Latite, 2007-2008.
- Analysis of geochemical data of the Table Mountain Latite, 2008.
- Organized and lead fieldtrip to Table Mountain, Knights Ferry, Ca. 2007.
- Geologic Mapping and sample collection of the Table Mountain Latite in Knights Ferry, CA. 2007.
- Prepared samples for thin sections using table rock saw, 2007.
- Bedrock Mapping of Rainbow Basin, Barstow CA. 2007.
- Geologic Mapping of Owl Canyon, Barstow CA. 2007.
- Geologic Mapping in the White Pine Range, Horse Camp Basin, Indian Garden Springs, and Hidden Springs, Ely, NV. 2007.
- Mapped the Geomorphology of Jakes Valley, Ely, NV. 2007.
- Sampled water, speleothems, and monitored speleothem growth in Mission Tunnel, Santa Barbara, CA with Professor James Boles, 2007.
- Created a map of the earthquake distribution and topographic profile for western North America using ArcGIS, 2008.
- Determined prime vineyard locations in Santa Barbara area using ArcGIS and several criterion, 2008.
- Rock strength and slope analysis of the Santa Barbara quadrangle using field data and ArcGIS, 2008.
- Created river network command line using ArcInfo, 2008.
- Organized and executed an independent project studying the distribution of snakes and lizards with respect to slope, aspect, and elevation using ArcGIS, 2008.

