|  |
| --- |
| **Bryan W. Norman** Address: 2808 Mission Dr, Solvang, CA 93463  Phone: (805) 705-4945, Email: Bryanwellsnorman@gmail.com  Web: www.bryannorman.weebly.com |

**Education:**Master of Science in Geology, November 2013  
University of California Santa Barbara, Santa Barbara, CA  
B.S. in Geology w/ Honors, July 2010  
University of California Santa Barbara, Santa Barbara, CA  
**Research:**The primary focus of my research is the structural evolution of the central Schell Creek Range in east-central Nevada.  I use detailed 1:12,000 geologic field mapping and structural analysis to determine the deformational history of the area. My research is trying to address two main topics: 1) How accommodation zones work in the Basin and Range Provence 2) Do any structures in the neighboring Northern Snake Range (a classic metamorphic core complex) correlate with structures in the central Schell Creek Range. I have also worked in the Trans-Antarctic Mountains of Antarctica, looking at A-type magnatism associated with the Ross Orogeny.  
**Academic Achievements:**UCSB Earth Science, Lloyd and Mary Edwards Field Studies Fellowship, **June 2012**  
UCSB Earth Science, Muckers Best Teaching Assistant Award, **June 2012 and June 2013**UCSB Earth Science, Outstanding Graduating Senior Award, **June 2010**  
UCSB Earth Science, Outstanding Academic Achievement Award, **June 2010**UCSB Field Scholarship**, June 2010**  
A+ in 6 week Summer Field Camp in eastern Nevada  
Harold Alexander Award for Academic Excellence – First Year Geology, **May 2008**  
Graduate GPA of **3.89**  
Undergraduate: Upper division GPA of **3.72**; Cumulative GPA of **3.57**

**Employment & Volunteer Work:**

Engineering Geologist Febuary 2014-Present

Work for the State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources witnessing and reviewing oil well abandonments, blowout prevention equipment tests, and casing integrity tests. *Consultant for Bronco Creek Exploration* September 2012  
Worked with a small team making a geologic map of a structurally complicated Carlen-type gold prospect in eastern Nevada.     
*UCSB Research Assistant                                                                \_\_\_\_*\_\_\_\_\_\_\_\_\_\_August 2010-2011  
Work 20 hours/week with Professor Phillip Gans in mineral separation laboratory preparing rock samples for Argon analysis. Duties include rock crushing with disc mill grinder, Magnetic Separation using Frantz magnetic separator, and heavy liquid separation using Methylene Iodide.   
U-Pb geochronology of Zircons: Duties include: concentrating zircon, mounting zircons, Imaging on Scanning Electron Microscope (SEM), analysis with Nu Plasma Laser ablation- Inductively Coupled Plasma-Mass Spectrometer (LA-ICP-MS), and Digitizing Geologic maps using ArcGIS 10 

*Owner and Operator of Firewood Service* August 2008-2010  
 Operated a small firewood splitting and delivery service for households in the Santa Barbara area. I was in charge of handling orders, splitting firewood, deliveries, and maintaining all equipment.

*The C.R.E.W Concerned Resource Environmental Workers* July 2003  
Completed 60 hours of volunteer work maintaining trails into a recent burn area for a steelhead conservation project.

**Academic Skills:**

*Field:* Geologic mapping, structural analysis, drawing cross-sections, measuring stratigraphic sections, rock identification with hand lens, and sample collection.

*Analytical:* Mineral separations, lattice preferred orientations using electron backscatter diffraction, U-Pb geochronology, and argon thermochronology

*Programs:* ArcGIS 10.1, Adobe Illustrator, Microsoft Office

**Short Course’s:**

Petroleum Technology Transfer Council – Blowout Prevention Equipment\_\_\_\_\_\_\_\_\_\_\_March 2014

One day course reviewing the mechanics and function of blowout prevention equipment for drilling oil and gas wells.

Petroleum Technology Transfer Council – Cementing 101\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Febuary 2014

One day course cover the basics of cementing oil and gas wells. Topics of the course include Cement Properties, Types of Cements, Cement Calculations, and Equipment for cementing.

Exxon Mobile Short Corse on Salt Tectonics \_\_April 2013

Worked in teams interpreting a high resolution seismic line through a series of salt diapers in the Gulf of Mexico.

Exxon Mobile short cores on the hydrocarbon evolution of the Big Horn Basin, WY \_\_April 2012

Worked in teams with the stratigraphy and structure underlying the Big Horn Basin from Paleozoic-Cenozoic identifying potential sources, reservoirs, and seals for hydrocarbons. Applied a variety of geophysical techniques and well-log data to pick the best block of land for drilling.

**References:**

|  |  |  |
| --- | --- | --- |
| **Phil Gans**  Master’s Thesis Advisor  Phone: 805-893-2642  Email: [Gans@geol.ucsb.eud](mailto:Gans@geol.ucsb.eud)  Address: 1006 Webb Hall  University of California  Santa Barbara, CA 93106-9630 | **John Cottle**  Secondary Advisor  Phone: 805-893-7315  Email: [Cottle@geol.ucsb.edu](mailto:Cottle@geol.ucsb.edu)  Address: 1006 Webb Hall  University of California  Santa Barbara, CA 93106-9630 | **Bradley Hacker**  Professor  Phone: 805-893-7952  Email: [Hacker@geol.ucsb.edu](mailto:Hacker@geol.ucsb.edu)  Address: 1006 Webb Hall  University of California  Santa Barbara, CA 93106-9630 |