COLTON KOHNKE

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EDUCATION	**Colorado School of Mines, Golden, CO**	B.S. May 2014
	Geophysics & Geophysical Engineering	CUM GPA 3.46
		Major GPA 3.61

Professional Organizations
- Society of Exploration Geophysicists Student Member (SEG)
- European Association of Geoscientists and Engineers (EAGE)

WORK EXPERIENCE	**Chevron of North America, Bakersfield, CA**	Summer 2013

Upstream Technical Computer G&G Support Intern
- Designed, developed, documented and deployed a new error reporting system to ensure well data integrity between multiple databases.
- Assessed opportunity of a new database/software system for seismic metadata to increase efficiency and safety while decreasing cost.
- Worked with Data Analyst and Asset Development teams to standardize well status symbols for use within the San Jaoquin Valley.

Ventyx, Greenwood Village, CO	Summer 2012 - June 2013

MineScape Engineer Intern
- Wrote, debugged, tested and integrated code into MineScape software.
- Tested the new MineScape 5.4 release.
- Traveled and assisted clients with overburden stratigraphic modeling and geophysical interpretation on an open-pit coal mine.
- Wrote and updated documentation for consumer utilization.

ENGINEERING & TECHNICAL SKILLS
- MineScape, MineScape Programming Language, Geolog, OpenWorks, Petrel.
- JAVA/C++, MatLab, Python, R, LaTeX, and Mathematica.
- Geological Lab Experience, Geophysical Field Methods, Geophysical Survey Design, GPS, Field and Office Safety, Well-Log Analysis.
- AutoCAD, SolidWorks; Microsoft Excel, Word, Powerpoint, Publisher.
- Linux/UNIX, Windows, and Mac OS.

PROJECT EXPERIENCE

Senior Design: Exploratory Analysis of Field Seismic Data - Senior capstone project written in JAVA to quickly and accurately analyze seismic data in a field setting. Features include an interactive display of survey geometry, seismograms and simple processing tools. Expanding features to include field data from other methods (gravity, magnetics, DC/SP, GPR, and EM) as time permits.

Geophysics Field Camp 2013 - Project to characterize the geothermal potential of Pagosa Springs, CO. Involved two weeks in the field gathering Gravity, Magnetics, EM, GPR, DC/SP, and Seismic data. This was followed by two weeks of data processing and technical report writing. Conclusions were published by the Colorado School of Mines Department of Geophysics.

OTHER EXPERIENCE
- Advanced Engineering Math Grader - Fall 2013.
- Expected JAVA course Teaching Assistant - Spring 2014.
- High Grade Literary Journal Poetry Editor.
- Colorado School of Mines Peer Mentor.

HONORS
- Newmont Mining Scholar.
- Naval Dolphin Scholarship Foundation Recipient.