

# Thomas Rapstine

## EDUCATION

Colorado School of Mines, Golden, CO --- M.S. Geophysics 2015

Topic: Integrating Gravity Gradiometry and Seismic Data for Salt Body Imaging  
GPA - 3.84

Colorado School of Mines, Golden, CO — B.S. Geophysics/Geophysical Engineering 2013

Summa Cum Laude Honors, GPA - 3.93

## EXPERIENCE

**Gravity, Electrical, and Magnetics Team Intern, Chevron ETC; Houston, TX Summer 2014**

- Generating Moho maps derived from isostatic computations, gravity inversion, and refraction seismic data
- Researching and implementing regional depth to base of magnetic source (DBMS) with associated uncertainty
- Combining DBMS with heat flow data to aid basin thermal maturity models

**CSM Geophysics Field Camp Teaching Assistant, CSM; Golden, CO May-June 2013, 2014, 2015**

- Organizing, conducting, and troubleshooting geophysical surveys in the field; including seismic, gravity, magnetics, and EM surveys
- Processing of TEM, FEM, and gravity data

**Applied Reservoir Management Team Intern, Chevron MCBU; Houston, TX June 2013-August 2013**

- Characterizing unconventional reservoirs using seismic attributes, quantitative interpretation, and well-data

**SAGEEP Annual Meeting 2013; Denver, CO March 2013**

- Senior design project “Magnetics with an iPhone” presentation and poster session

**CGEM Undergraduate Researcher, CSM; Golden, CO August 2012 - May 2013**

- Constructing synthetic models for next-generation gravity gradiometry surveys
- Forward modeling and inversion of gravity gradiometry data

**Geophysics Field Camp Participant, CSM; Golden, CO May-June 2012**

- Acquiring, processing, and interpreting geophysical data sets to characterize a geothermal system
- DC Resistivity interpretation team leader

**G&G IT Technician Intern, Chevron MCBU; Houston, TX June-August 2012**

- Analyzing Real-Time Drilling Data Optimization systems for land based drill rigs
- Developing workflows for real-time offsite data transfer of well log data

**GeoSig Technical Research Assistant, ENSCO Inc.; Springfield, VA**

- Planning surveys for geophysical data acquisition including magnetics, electromagnetic, and seismic data
- Writing automated programs for data acquisition using MATLAB and LabView

## COMPUTER SKILLS

- MATLAB, Fortran, Madagascar, Java, Python, LabView, Unix/Linux, Paradigm EPOS, LCT, Geosoft Oasis Montaj

## ACHIEVEMENTS

- Dean’s list recipient: 2009-2013
- Graduated High School Valedictorian with Honors and Distinguished Achievement Program.
- Engineering Principles Introductory Sequence’s Windmill design plan finalist