

McKensie (Gelber) Kilgore

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Education

University of Houston – Houston, TX
PhD in Geology/Teaching Assistantship

August 2014 – Present
Focus: **Geochemistry** GPA: **3.93**

Advisors: Anne Peslier at NASA-Johnson Space Center, Alan Brandon at University of Houston

Dissertation: Water contents and metasomatism of the lithospheric mantle beneath a Phanerozoic continental belt, the Canadian Cordillera, and adjacent Archean craton, the Slave craton

Coursework: Petroleum Geochemistry, Remote Sensing, Radiogenic Isotope Geochemistry, Igneous Petrology, Planetary Materials, Metamorphic Petrology, Subduction Zone Dynamics, Plate Tectonics

Courses Taught: Igneous and Metamorphic Petrology, Mineralogy, Petrography

Washington State University – Pullman, WA
Bachelor of Science

August 2008 – December 2012
Major: **Geology** Geology GPA: **3.49**

Relevant Coursework: General Chemistry I & II, General Physics I & II, Technical Writing, Physical Geology, Oceanography, Earth Systems History, Environmental Geology, Structural Geology, Mineralogy, Igneous Metamorphic Petrology, Geophysics, Sedimentology and Stratigraphy, Field Geology I, Field Geology II

Undergraduate Research Projects:

- Using a stable isotope mass spectrometer to analyze hydrogen-deuterium ratios in Kaolinite samples from Yellowstone to assess hydrothermal alteration
- Picking olivine grains to find melt inclusions, and assess helium isotopic concentrations to determine mantle or plume origin of Rio Grande Rift host basalts

Massey University – Palmerston North, New Zealand
Geological Field Camp I & II

December 2012 – February 2013
GPA: **3.7**

Professional Experience

Logging Geologist

August 2013 – June 2014

Horizon Well Logging LLC, Tulsa, OK

- Collect, prepare, photograph, analyze and describe well bore cuttings
- Cross analyze cuttings with MWD and directional drilling parameters, utilizing gamma to call lithologies
- Monitor gasses and pressures with a gas chromatograph while drilling
- Serve as liaison with Atlas Resource Partners geologists
- Acquire proficiency in Pason, iBall, LithoLogic, and Mud.Log software

Event Manager (A/V Technician)

August 2009 – December 2012

Compton Union Building, Washington State University

- Promoted to event manager within six months of employment
- Supervise event set-up crew and delegate tasks
- Customer service, act as primary liaison for patrons
- Facilitate events, act as audio and video technician for clients

Professional Training

ExxonMobil Geophysical Short Course: Multi-Disciplinary Subsurface Integration in Exploration and Production, from Plates to Pores by ExxonMobil
January 2017

Honors and Awards

2 nd Place – Student Research Day PhD Poster Presentation - <i>UH</i>	April 2017
Outstanding Graduate Work in Geosciences Scholarship - <i>Hess</i>	April 2017
2 nd Place – Student Research Day PhD Poster Presentation - <i>UH</i>	April 2016
Outstanding Graduate Work in Geosciences Scholarship - <i>Hess</i>	April 2016
Outstanding Academic Achievement Scholarship - <i>Shell</i>	April 2015

Extracurricular Activities and Memberships

Chair of Student Body Committee – University of Houston	August 2017 – Present
Member of Student Research Day Committee – University of Houston	August 2017 - Present
Graduate Student Mentor for UH Geosociety	January 2016 – Present
Member of American Geophysical Union	December 2012 – Present
Member of Association for Women Geoscientists	December 2012 – Present
Member of WSU Geology Club	January 2009 – Present
Chair of Student Development Committee	January 2011 – December 2012
<ul style="list-style-type: none">Elected by co-workers as student body representative for Compton Union Building	January 2010 – January 2011
Vice President of Gamma Phi Beta sorority	January 2010 – January 2011
<ul style="list-style-type: none">Acted as primary liaison with international headquarters and coordinated chapter functions	

Meeting Attendance/Participation

Presenter at Fall 2017 AGU Meeting	December 2017
Attendee of 2017 AAPG Student Expo	September 2017
Presenter at 2016 Goldschmidt Conference	June 2016
Presenter at Fall 2015 AGU Meeting	November 2015
Attendee of Fall 2012 AGU Meeting	December 2012