

KIRSTIE L. HAYNIE

Houston, Texas 77004

(832) · 433 · 4006 ◊ kirstiehaynie@gmail.com

EDUCATION

- Ph.D. Geophysics** expected May 2019
University of Houston
Advisor: Dr. Margarete Jadamec
Dissertation: *The role of oceanic plateau subduction-collision on overriding plate deformation and slab detachment in Alaska*
GPA: 3.95
- B.S. Geophysics** May 2014
University of Houston
Thesis: *Shallow subsurface detection of buried weathered hydrocarbons using an integrated geophysical technique*
GPA: 3.6
- B.S. Mathematics** May 2014
University of Houston
GPA: 3.4

WORK EXPERIENCE

- Lead Teaching Assistant for Physical Geology** Fall Semester 2016
University of Houston
- Research Assistant** May 2015 - August 2016
Dr. Jadamec - Geodynamics, University of Houston
- Teaching Assistant for Field Methods** Spring Semester 2015
University of Houston
- Teaching Assistant for Remote Sensing** Fall Semester 2014
University of Houston
- Undergraduate Research Assistant** October 2012-August 2014
Dr. Khan - Remote Sensing, University of Houston
- Intern Engineer** May-August 2012
National Oilwell Varco (NOV)

TECHNICAL SKILLS

- Computer Languages:** C, MATLAB, Unix
- Geoscience Software:** Oasis Montaj GM-SYS, Surfer11, ENVI, ArcGIS, RADAN7
- Other Software:** LaTeX, GMT, Adobe Illustrator, 3DVisualizer, ShowEarthModel, Adobe Dreamweaver, Microsoft Office products
- Geophysical Equipment:** Ground Penetrating Radar, Electromagnetic Profiler, GPS

PUBLICATIONS

- Haynie, K. L.**, and Jadamec M. A.. (2016) Tectonic drivers of the Wrangell block forearc sliver: Insights from 3D geodynamic models. *Tectonics* (in review)
- Haynie, K. L.**, and Khan S. D. (2016) Shallow subsurface detection of buried weathered hydrocarbons using GPR and EMI. *Marine and Petroleum Geology*, 77, 116-123.

Haynie, K. L. (2014) Shallow subsurface detection of buried weathered hydrocarbons using an integrated geophysical technique (Undergraduate Honor's Thesis), University of Houston

Haynie, K. L. (2014) Shallow subsurface detection of buried, weathered hydrocarbons, Published Abstract, AAPG Annual Convention and Exhibition

PRESENTATIONS

Poster CIG All Hands Meeting	June 20-21 2016
Oral Presentation UH Department of EAS Student Research Day	April 2016
Poster Dobrin Lecture	March 30 2016
Oral Presentation at Geological Society of America South-Central Section Meeting	March 21 2016
Poster GeoPRISMS Subduction Cycles and Deformation Initiative	October 2015
Poster XIV International Modeling Workshop	September 2015
Poster Gordon Research Conference - Interior of Earth	June 2015
Poster UH Department of EAS Student Research Day	May 2015 2014
Poster and Published Abstract at AAPG Annual Convention and Exhibition	April 2014
Poster UH Undergraduate Research Day	October 2013
Poster AAPG-SEG Student Expo	September 2015, 2013

CONFERENCES AND SHORT COURSES ATTENDED

CIG All Hands Meeting with PyLith, Underworld, and ASPECT tutorials UC Davis, Sacramento, California	June 17-23 2016
Geological Society of America South-Central Section Meeting Baton Rouge, Louisiana	March 21-22 2016
GeoPRISMS Subduction Cycles and Deformation Initiative Redondo Beach, California	October 11-14 2015
XIV International Workshop on Modeling of Lithosphere and Mantle Dynamics Oleron, France	August 31-September 5 2015
UH CACDS High Performance Computing (HPC) Boot Camp University of Houston, Houston, Texas	July 14-17 2015
XSEDE HPC Boot Camp University of Houston, Houston, Texas	June 16-19, 2015
Gordon Research Seminar and Conference - Interior of Earth Mount Holyoke College, South Hadley, Massachusetts	June 6-12 2015
Schlumberger Basic Well Log Interpretation Short Course University of Houston, Houston, Texas	October 28 2014
ExxonMobil Geophysics Short Course Woodlands, Texas	February 7-10 2014
Fred Schroeder, Ph.D., Short Course on "Using Seismic from Acreage Capture to a Wildcat Well" University of Houston, Houston, Texas	September 7 2013

FIELD EXPERIENCE

Field Methods Teaching Assistant	Spring Semester 2015
Field assistant and Ground Penetrating Radar (GPR) and Electromagnetic Induction (EMI) operator studying Ferron Sandstone, Utah	July 2014
Field assistant and GPR and EMI operator studying the Eagleford Formation, Del Rio, Texas	July 2014
Teachers aide at the UH Geophysics Field Camp, Galveston, Texas	May 2014
Primary investigator and GPR and EMI operator for studying buried hydrocarbons along Elmer's Island, Louisiana	July 2013 and February 2014

AWARDS

Milton B. Dobrin Memorial Endowment Scholarship for Outstanding Student in Geophysics	April 2016, May 2015
Student Poster Winner - Dobrin Lecture	March 2016
Student Poster Winner - GeoPRISMS Subduction Cycles and Deformation Initiative	October 2015
UH CACDS HPC Certificate of Proficiency	July 2015
UH EAS Graduate Tuition Fellowship	August 2014
Presidential Cullen and Stella Ehrhardt Fellowship	August 2014
Houston Endowment Fellowship	August 2014
Outstanding Senior Honors Thesis Award	May 2014
1st Place Undergraduate Poster Award at Student Research Day	May 2014
Summer of Undergraduate Research Fellowship	May 2013
Hess Outstanding Senior 2nd Place in Geophysics	May 2013
Delta Epsilon Iota Academic Honor Society	November 2013
Shell Geophysics Field Camp Scholarship	May 2012
Golden Key International Honours Society	November 2012
Deans List	2012

ACTIVIES AND MEMBERSHIPS

Geophysics Graduate Student Committee Member	Fall 2016-2017
Treasurer of the Badminton Club of UH	Fall 2015-2017
Committee Member of the Texas Intercollegiate Badminton Association	Fall 2015 - 2016
Co-founder and Vice President of the Badminton Club of UH	Spring 2013 - 2014
Co-founder and President of the Texas Intercollegiate Badminton Association	Fall 2014 - 2015
Treasurer of AAPG Wildcatters	Fall 2013-2014
Volunteer Judge at the UH Mars Rover Celebration	January 2013 2014
Volunteer at AAPG-SEG Expo	Committee Volunteer July-December 2013
Volunteer at the SEG Science Education Day Exhibit	September 23 2013
Memberships: Society of Exploration Geophysicists (SEG); American Association of Petroleum Geologists (AAPG); Geophysical Society of Houston; UH AAPG student chapter, AAPG Wildcatters; UH SEG student chapter, SEG Wavelets	