

Andrew Steier

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OBJECTIVE Pursue a career in oil and gas exploration, utilizing my skills in seismic interpretation, tectonic plate reconstructions, and basin analysis to generate and evaluate plays and prospects.

EDUCATION **University of Houston, Houston, TX** **May 2018**
Master of Science in Geology
Thesis: Jurassic-Cretaceous Stratigraphic and Structural Evolution of the Yucatan-Florida Conjugate Margins, Gulf of Mexico Basin
Advisor: Dr. Paul Mann
Overall GPA: 4.0

University of Houston, Houston, TX **January 2015-May 2016**
Post-Baccalaureate Studies in Geology
Relevant Courses: Stratigraphy, Petrography, Global Seismology, Introduction to Geophysics, Paleobiology, Geologic Field Methods, Mineralogy, Introduction to GIS
Overall GPA: 4.0 *Hours Completed:* 40

University of Notre Dame, Notre Dame, IN **May 2012**
Bachelor of Arts in Classics and Honors Anthropology
Thesis: Investigating Paint Recipes of Mesa Verde Black-on-White Bowls Using PIXE Analysis
Advisor: Dr. Donna Glowacki

EXPERIENCE **Geoscience Intern, Total E&P Americas, Houston, TX** **May 2017-August 2017**

- Supporting the Mexico New Ventures group as part of the Gulf of Mexico Exploration team

Imperial Barrel Award (IBA) team, University of Houston, Houston, TX **Spring 2017**

- Specialized in tectonics, structural geology, and prospect and play development
- Won IBA international finals at AAPG ACE 2017 with Taranaki Basin, New Zealand dataset

University of Houston, Houston, TX **August 2016-Present**
Graduate Research Assistant, Caribbean Basins, Tectonics, and Hydrocarbons (CBTH) Project

- Mapping syn-rift strata and Chicxulub-related Cretaceous-Paleogene boundary deposits of the northern Yucatan using 2D seismic reflection data
- Assisting various CBTH studies and presentations in GPlates, ArcGIS, and PaleoGIS applications

University of Houston, Houston, TX **August 2015-July 2016**
Undergraduate Research Assistant, CBTH Project

- Researched differences in kinematic plate models for the opening of the South Atlantic Ocean
- Expanded and maintained the CBTH literature and ArcGIS database

FIELD WORK **Bighorn Basin Field Course (ExxonMobil), Bighorn Basin, Wyoming** **July 2017**
Research Assistant, Mesa Verde National Park, CO **Summer 2011**

- Converted field notes from archaeological survey into electronic maps using AutoCAD

Research Assistant, Mursi, Albania **Summer 2010**

- Assisted in archaeological excavation of potential location of an ancient Roman villa

ACTIVITIES & AWARDS	International Champion, Imperial Barrel Award (IBA) Competition	April 2017
	Society of Exploration Geophysicists Challenge Bowl, First Place, <i>University of Houston Student Chapter Competition</i>	March 2017
	Best Early Graduate Student Presentation, Graduate Tectonics Seminar	Fall 2016
	Student Poster Competition, First Place, HGS-PESGB Africa Conference	September 2016
	South Atlantic Margins Geology and Hydrocarbon Potential Short Course, HGS-PESGB Africa Conference	September 2016
	University of Houston Alumni Association Scholarship	June 2016
	John O’Leary Outstanding Junior Award	May 2016
	Outstanding Poster Award, UH Undergraduate Research Day	October 2015
	Dean’s List, Spring 2015, Fall 2015, Spring 2016	

ASSOCIATIONS American Association of Petroleum Geologists (AAPG), *UH Student Chapter Event Coordinator*
Houston Geological Society
American Geophysical Union (AGU)

ABSTRACTS **Steier A.** Correlating high-quality, late Jurassic eolian sandstone reservoir units between the northeastern U.S. GOM and the Mexican GOM along the northern Yucatan margin using regional grids of seismic reflection data. Poster Session: 2017 Gulf Coast Association of Geological Societies (GCAGS) Annual Convention, November 1-3: San Antonio, Texas.

Saunders M., Geiger L., **Steier A.** Mapping the Jurassic Norphlet Sandstone along the Northern Margin of the Yucatan Peninsula. Poster Session: American Association of Petroleum Geologists (AAPG) 2017 Annual Convention and Exhibition, April 2-5: Houston, Texas.

Steier A., Mann P. Review of Pre-Rift Continental Fits and Plate Kinematic Models for the Gulf of Mexico Opening. Poster Session: 2016 American Geophysical Union (AGU) Fall Meeting, December 12-16: San Francisco, California.

Mann P., **Steier A.** Tweaking Pangea’s breakup: Triassic to present plate tectonic reconstructions integrating recent geologic and geophysical data from the Atlantic and Gulf of Mexico margins. Oral Session: 2016 Gulf Coast Association of Geological Societies (GCAGS) Annual Convention, September 18-20: Corpus Christi, Texas.

Steier A., Mann P. Fine Tuning Quantitative, Plate-Tectonic Reconstructions of South Atlantic Conjugate Margins using a GIS Compilation of Geologic and Geophysical Information. Poster Session: 15th Houston Geological Society-Petroleum Exploration Society of Great Britain (HGS-PESGB) Conference on African E&P, September 14-15, 2016: Houston, Texas.

OTHER SKILLS **Software**

- Petrel, Kingdom, ArcGIS, PaleoGIS, GPlates, ENVI, and limited Python, MATLAB, Mathematica, SUPCRIT, and PHREEQC from geology coursework and research
- Adobe Illustrator, Microsoft Outlook, Excel, Word, Project, and PowerPoint
- AutoCAD, GUPIX, and ‘R’ from undergraduate archaeological Honors Thesis research

Language

- Latin: moderate proficiency in reading and writing
- Ancient Greek: low/moderate proficiency in reading and writing

American Sailing Association, San Juan Sailing School, *Bellingham, WA*

- Keelboat Sailing (101), Coastal Cruising (103), and Bareboat Cruising (104) certifications