

Eric Lunn

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Objective

Ph.D. Candidate in Geology at the University of Houston seeking an internship in oil and gas exploration in which I can utilize and develop my geologic knowledge base and basin analysis skills such as seismic interpretation, gravity modeling, and geological/geophysical interpretation.

Education

University of Houston, Houston, TX August 2016 - expected May 2020
Doctor of Philosophy in Geology, *GPA*: 3.93
Thesis: Barreirinhas and Ceara Basins: Variation in Structure and Stratigraphy over the Romanche FZ
Advisor: Dr. Paul Mann
Achievement: 1st Place International AAPG 2017 Imperial Barrel Award Competition – Team Captain

University of Massachusetts Amherst, Amherst, MA September 2011 – May 2015
UMass Amherst Commonwealth Honors College Graduate
Bachelor of Science in Geology, *GPA*: 3.6
Honors Thesis: Evolution and Efficiency of Restraining Bends in Strike-Slip Fault Systems
Advisor: Dr. Michele Cooke

Experience

University of Houston, Houston, TX January 2017 – Present
Graduate Research Assistant
Caribbean Basins, Tectonics, & Hydrocarbons (CBTH) Project
Conducting gravity modeling and subsurface seismic interpretation of the Barreirinhas and Ceara basins of equatorial Brazil. Implications from this study will be used to evaluate the hydrocarbon potential of each basin and of their conjugate margins in offshore Africa – Ghana and Togo/Benin.

University of Houston, Houston, TX August 2016 – January 2017
Graduate Teaching Assistant
Co-instructed physical geology lab section with a fellow graduate teaching assistant. Presented lecture material, demonstrated experiments, tutored students, proctored exams, and graded assignments.

Goldman Environmental Consultants, Inc., Braintree, MA August 2015 – July 2016
Environmental Geologist
Conducted ASTM Phase I environmental site assessments and Phase II remediation investigations. Managed sub-contractor efforts at waste sites undergoing remediation as on-site geologist. Wrote professional reports for submittal to the MA Department of Environmental Protection.

University of Massachusetts Amherst, Amherst, MA September 2014 – May 2015
Undergraduate Structural Geology Research Assistant
Conducted clay-box analog modeling and MATLAB analysis of restraining bend fault evolution in strike-slip faults similar to those found in the San Andreas Fault system in Southern California.

Stroud Water Research Center/University of Delaware June 2014 – August 2014
Research Experience for Undergraduates (REU) Intern
Researched water retention properties of soils from the Avondale, PA region to improve understanding for future industry applications, including improved farming irrigation. Worked with Dr. Holly Michael and presented results at the Consortium of Universities for the Advancement of Hydrologic Science Inc. (CUAHSI) biennial colloquium hosted by the National Conservation Training Center in West Virginia.

University of Arizona, Tucson, AZ January 2014 – May 2015
Undergraduate Structural Geology Research Assistant
Researched formation of yardangs in Southern California with Dr. Paul Kapp. Presented research at GeoDaze symposium hosted by the University of Arizona. Volunteered to represent the University of Arizona at the annual Tucson Gem and Mineral Show.

Skills

Software: Petrel, Kingdom, Microsoft Word, Powerpoint, Excel, Publisher, MATLAB, AutoCAD, ArcGIS, RokDoc, Adobe Illustrator, Pro-Engineer, Phreeqc (limited), Python (limited)

Field: X-ray Diffraction, X-ray Fluorescence Analysis, Geotek Core Splitting Machine, Ground Penetrating Radar (GPR), Electrical Resistivity Tomography (ERT), Borehole Logging

Activities & Honors

UH Wildcatters AAPG – Webmaster	2017-2018
UH EAS Outstanding Graduate Work in Geology Award	Spring 2017
1 st Place AAPG IBA International Competition	Spring 2017
UH SEG Challenge Bowl – 1 st Place	Spring 2017
UH Wildcatters AAPG – Event Coordinator	2016-2017
HGS PESGB South Atlantic Margins Short Course	Fall 2016
Shell Play Based Exploration IBA Prep Course	Fall 2016
Houston Endowment Recruitment Fellowship	2016-2020
ExxonMobil Integrated Basin Analysis Short Course – Lehigh University	Fall 2014
UMass AAPG – President	2014-2015
UMass AAPG – Founder and Treasurer	2013-2014

Professional Organizations

Houston Geological Society	2016 - Present
American Institute of Professional Geologists	2015 - Present
Geological Society of America	2014 - Present
American Association of Petroleum Geologists	2012 - Present

Certifications

OSHA HAZWOPER 40 hr & 8 hr refreshers	A+ Certification for IT technicians
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Publications & Presentations

Lunn, E., *Gravity Modeling and Seismic Reflection Study of the Barreirinhas and Ceara Basins of Northern Equatorial Brazil*, UH Student Research Day, April 2017.

Lunn, E., Mann, P., *Barreirinhas & Ceara Basins, Equatorial Brazil: Asymmetric Rift and Hydrocarbon Potential Evaluation through Seismic Interpretation and Gravity Modeling*, CBTH Year-End Meeting, September 2016.

Lunn, E., Toeneboehn, K., Cooke M., *Evolution and Efficiency of Restraining Bends in Strike-Slip Fault Systems*, Geological Society of America – Northeastern Section, Bretton Woods, NH, March 2015.

Lunn, E., Tan, F., Imhoff, P., Michael, H., *Impact of Mineral Weathering and Organic Matter on Soil Water Retention*, CUAHSI Biennial Colloquium, Shepherdstown, WV, July 2014.

Abell, J., Bowers, J., Carroll, J., Lunn, E., Valachovic, J., Kapp., P., Pelletier, J., Pullen, A., *Wind Over Rock: Yardang Geometries as a Function of Rock Structure and Strength; Paleo-Yardangs as Paleo-Wind Indicators; and Interplays among Wind Erosion, Topography, and Tectonics*, GeoDaze Geoscience Symposium, Tucson, AZ, April 2014.