

Lila Bishop

lilabishop@utexas.edu | 832-691-8767
942 Euclid St | Houston, TX 78757

EDUCATION

The University of Houston	Master of Science, Geology	Expected May 2021
MS Thesis: Stratigraphic Interpretations and 2D Basin Modeling, Sandino Forearc Basin, Nicaragua and Costa Rica		
The University of Texas at Austin	Bachelor of Science, General Geology	May 2019
Overall GPA: 3.4		

WORK EXPERIENCE

Arena Energy – *Geologist Intern*; The Woodlands, TX June – August 2019

- Evaluated oil and gas potential in a mature field of the Gulf of Mexico which flanks a salt dome containing complex faulting from interpretation of high resolution seismic and well log data
- Created structure maps, stratigraphic cross sections, and isochore maps for targeted sands of interest
- Collaborated with reservoir engineers to determine recoverable hydrocarbons from generated prospects
- Presented decisions on economic drilling opportunities to geologists, reservoir engineers, and upper management

USGS – *Physical Scientist Intern*; Tacoma, WA May – October 2018

- Contributed to the creation of decadal Orthoimages and Digital Elevation Models (DEMs) of South Cascade Glacier that span 60 years using historical aerial photographs and Agisoft Photoscan to understand the future of water resources in the western United States
- Collaborated with University of Washington professors and staff on initial plans for developing an automated process for creating DEMs from historical aerial photos

ACADEMIC EXPERIENCE

Energy and Earth Exploration Spring 2018

- Explored concepts related to development of hydrocarbons that included seismic interpretation, well log interpretation, well log correlation, regional mapping, correlation of fault structures, thermal maturation, and understanding of relevant depositional environments
- Participated in BHP Gulf of Mexico Mock Lease sale where 1500² km region in the Tiger Shoal was mapped from physical seismic lines and traces to create a regional structure map with areas of prospective hydrocarbons indicated, and an unbiased bidding plan was created and presented to BHP
- Awarded “Best Poster Presentation”

Constructing and Interpreting 3D Stratigraphy Fall 2017

- Utilized Kingdom software to determine three-dimensional volumes of basin filling stratigraphy to explore how depositional landscapes are preserved in sedimentary record
- Produced quantitative reconstructions of past environmental states
- Mapped horizons targeted from well log information to perform regional analysis in the Gulf of Mexico

LEADERSHIP EXPERIENCE & ACTIVITIES

Texas Crew – *President (Fall 2016 – Spring 2018), Member* Fall 2014 – May 2018

- Managed the student run competitive rowing team at the University of Texas
- Structured and implemented long term goals for team of 80+ students
- Oversaw all operations of the team, including fundraising upwards of \$40,000 dollars per year, hiring a coaching staff, and successfully carrying out a \$150,000 annual budget
- Created a dedicated and hardworking team culture by training two hours a day, six days a week, and competing nationally all four years on the team

ADDITIONAL INFORMATION

Computer Skills: Kingdom Suite, ArcGIS, MATLAB, Agisoft Photoscan, Adobe Photoshop

Relevant Coursework: Structural Geology, Field Camp, Constructing and Interpreting 3D Stratigraphy, Sedimentary Geology, GIS & GIS Applications in Earth Sciences, Computational Applications in Geosciences, Energy Exploration, Calculus Sequence, Physics, Chemistry

Languages: Intermediate Spanish