

# Matthew Storey

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## Career Objective

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An analytical and forward-thinking geoscience graduate student with strong communication and team-building skills. Seeking a full-time or intern position that allows me to apply my proven strengths in the interpretation/integration of large data sets and decision-making roles to accomplish business strategies while representing the company's core and safety values.

## Education

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**University of Houston, Houston, TX**

**August, 2018 to ~May, 2020**

**M.S. Geophysics**

**GPA: 3.9/4.0**

Research: Structural and Tectonic Restoration of the Apalachicola Rift, Northeastern Gulf of Mexico

**Texas A&M University, College Station, TX**

**January, 2015 to May, 2017**

**B.S. Geophysics, Petroleum Track**

*(2.5 years)*

Minors in Geology and Mathematics

Research: Hydro-geophysical Survey of Time-Lapse Electrical Resistivity Tomography

## Experience

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**Graduate Research Assistant**

**May, 2019 to Present**

Conjugate Basins, Tectonics and Hydrocarbons Consortium (CBTH)

University of Houston, *Houston, TX*

- Developing an assessment of the Apalachicola Rift Basin in the Northeastern Gulf of Mexico using data consisting of 2D seismic, paleogeography, well logs, local/regional analogs, gravity, and magnetic.
- Utilizing Kingdom, Petrel, and ArcGIS for interpreting stratigraphic boundaries for both pre- and post-salt, basement reflections, faults, and rift features to develop a framework of the geologic history in NE GOM in relation to Phase 1 and Phase 2 opening of the Gulf of Mexico and onshore Triassic rifts.
- Collaborating in the creation of a GIS-based digital and atlas synthesis of available seismic and well data to define the regional hydrocarbon potential of a vast region affected by the Mesozoic breakup of Pangea.

**AAPG IBA Program**

**January, 2019 to April, 2019**

University of Houston, *Houston, TX*

*(3 Months)*

- Found New Business Opportunities as a New Ventures Group by assessing the hydrocarbon potential and prospectivity of an offshore dataset along Australia.
- Integrated multiple types of data (2D/3D seismic, petrophysics, paleogeography, geochemistry, structural geology) for effective interpretation/evaluation, efficiently communicated with team-members and industry advisors to express ideas, developed technical skills in interpretation software as well as helped develop and present a hydrocarbon prospectivity assessment through weekly ~25-minute presentations.
- Helped in the maturation of two prospects and one lead by performing seismic interpretation of 2D/3D data in Petrel, evaluating reservoirs, sources and seals, creating isopach/structural/risk maps, and conducting post-drill/dry-hole analysis.

## Leadership

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**President of SEG Wavelets**

**May, 2019 to Present**

University of Houston, *Houston, TX*

- Managing and overseeing all activities from the planning stage to the execution stage.

- Incorporating new strategies for strengthening and growing the organization: created a club LinkedIn page that gains ~3,000 views per post, created a website that features the club information, history, and future activities, reinstated the SEG EVOLVE program after a 4-year hiatus, partnered with the GSH Journal to publish research articles by students of the UH geoscience department, organized a week-long software “bootcamp” and have hosted weekly events on a variety of geoscience topics.
- Leading as a liaison between the organization's advisors/University of Houston Student Organization Board and officers as well as with companies and industry professionals.

### **Captain of SEG EVOLVE Team**

**November, 2019 to Present**

University of Houston, *Houston, TX*

- Captain of the UH SEG EVOLVE team which will conduct a semester-long basin assessment to determine the hydrocarbon prospectivity of an offshore dataset starting in Spring 2020.

### **Secretary of SEG Wavelets**

**August, 2018 to May, 2019**

University of Houston, *Houston, TX*

*(10 Months)*

- Interacted weekly with co-officers, organizations and industry professionals to help coordinate, plan and execute meaningful events for the NSM-EAS department and the community.
- Recorded notes and took photos at all meetings/events and published a monthly article to the GSH Journal about SEG Wavelet events to help promote the organization.
- Awarded Summit Level at the 2018 SEG meeting in Anaheim, California where SEG Wavelets ranked 1<sup>st</sup> as “Best SEG Student Chapter” in the United States and 3<sup>rd</sup> worldwide (~200 chapters).

## **Awards & Certificates**

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- **Award:** 2019 SEG/ExxonMobil Student Education Program (SEP) Travel Grant.
- **Award:** 2019-2020 UH Graduate School Fund Scholarship.
- **Certificate:** *Stanford University - Machine Learning Certificate:* Supervised and unsupervised learning, datamining, and statistical pattern recognition. (Coursera license #6EMGX6PSNF96, Valid: December, 2018 to present).
- **Certificate:** *Del Mar College - Petroleum Pipeline Certification:* Petroleum pipeline construction, operations, and maintenance (72hr course).

## **Software Experience & Activities**

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- **Programming/Software Experience:** Petrel, Kingdom, ArcMap, C++, Matlab, Microsoft Suite.
- **Organizations:** SEG Wavelets, AAPG Wildcatters and Society of Hispanic Professional Engineers.
- **Volunteer Experience:** Houston Earth Science Day 2018, Summer Daycare Helper at LMS Concepts Inc. (7 years), Geoscience Orientation at Texas A&M University, and The Big Event.
- **Interests:** Enjoy playing sports and collecting books. Play competitive and recreational soccer since the age of 4. Selected unanimously 1<sup>st</sup> Team All-District when captain of HS team. 2016 Intramural soccer champions at TAMU.

## **Relevant Graduate-Level Coursework**

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- Rock Physics (UH), Grade: A
- Petroleum Prospecting IBA (UH), Grade: A
- Reservoir Geophysics (UH), Grade: A
- Geophysical Data Processing (UH), Grade: A
- Seismic Wave and Ray Theory (UH), Grade: A-
- Geophysics of Porous Media (UH), Grade: A-
- Petroleum Geochemistry (UH), Grade: Ongoing