

# Spencer Lamar Fuston

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**Summary:** IBA World Champion structural geologist. Exploration experience in the Australian North Carnarvon and Bight Basins. Specialties in seismic interpretation, prospect generation, and petroleum systems analysis.

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## Education

**Ph.D. in Structural Geology** August 2018 – Present (Graduating 2021)  
University of Houston Cumulative GPA: 3.87  
Dissertation: *Tectonics of the North American Cordillera from structurally restored subducted slabs*

**Bachelor of Science in Geology, minor in Geophysics** 2014 – Dec 2017  
Texas Tech University Major GPA: 4.0, **Magna Cum Laude**  
Thesis: *Trace element and textural zonation in hornblende and titanite from the Ashland pluton, SE Oregon*

## Professional Experience

*University of Houston*

Graduate Research Assistant/ Undergraduate Research Supervisor Apr 2019 – Present

- Supervises student undergraduate research projects (funded by NSF grant).

**World Champion Structural Geologist** (2019 UH Imperial Barrel Award Team) Jan 2019 – May 2019

- World Champion – AAPG International Finals
- 1<sup>st</sup> Place – AAPG Gulf Coast Section
- Prospect generation, seismic interpretation, paleogeography, fault seal analysis, structural restoration.

Graduate Teaching Assistant Aug 2018 – May 2019

- Led Mineralogy laboratories and geology field trips.

*Rice Tutors* – Certified Comprehensive Tutor Dec 2017 – Sept 2018

*Texas Tech University* – Certified Learning Disabilities Master Tutor Aug 2015 – Dec 2017

## Selected Coursework

Well Log Analysis, Sequence Stratigraphy, Petroleum Geochemistry, Basin Analysis, Thermochronology.

**Industry Short Courses:** Intro to Machine Learning (AAPG), Risk Analysis (Rose & Associates).

## Selected Awards and Grants

- World Champion (Imperial Barrel Award), American Association of Petroleum Geologists 2019
- Presidential Fellowship, *UH Dept. of Earth & Atmospheric Sciences* 2018
- Undergraduate Prize, *Mineralogical Society of America*
- 1<sup>st</sup> Place Poster Presentation, *TTU Geosciences Research Day* 2017
- Student Travel Grant, *Geological Society of America*
- Undergraduate Research Grant, *TTU Undergraduate Research Society* 2016

## Selected Conference Oral/ Poster Presentations

**Fuston, S.**, Wu, J., and Lin, Y. (2019) Raising the Resurrection plate by structurally restoring subducted slabs below the NW Cordillera. Geological Society of America National Meeting (**Oral Presentation**).

**Fuston, S.L.** and Wu, J.E. (2018) Intra-oceanic subduction constraints on the Laramide orogeny based on mantle tomography. Houston Geological Society and University of Houston Annual R.E. Sheriff Lecture.

**Fuston, S.L.**, Hetherington, C.J., and Barnes, C.G. (2017) Geochemical, petrologic, and textural analysis of the Ashland Pluton, Klamath Mountains, California and Oregon. Geological Society of America National Meeting.

## Extracurricular and Volunteer Work

Social Chair – *UH AAPG Student Chapter (Wildcatters)* Apr 2019 – Present

Drumset Player/ Volunteer – *First Baptist Church Lubbock* Oct 2016 – Dec 2017

Drumline Section Leader – *Texas Tech University Drumline* Aug 2014 – Aug 2016