

Hualing Zhang

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EDUCATION

University of Houston

Doctor of Philosophy (PhD) in Geology

Starting in August 2018

The University of Texas at Austin

Master of Science in Geological Science, Petroleum Geology

Graduated: August 2017

GPA: 3.43

Thesis: Lithofacies, Diagenesis, and Reservoir Quality of the Unconventional Wolfcampian Succession in the Southeast Midland Basin, West Texas

2+2 Education Program

The University of Tulsa, Tulsa, OK

Bachelor of Science in Geosciences

Minors: Petroleum Engineering, Math

Graduated: May 2015

GPA: 3.91

China University of Petroleum, Beijing, China

Bachelor of Science in Geosciences Department

Graduated: May 2015

GPA: 3.81

RESEARCH EXPERIENCE

Post-graduate Student Research Assistant

Bureau of Economic Geology, Austin, TX

Sep 2017-Present

- Well correlation on Wolfcamp formation in the Delaware Basin
- Core, thin section, and XRF data analysis for the TORA project

AAPG Imperial Barrel Award (IBA) Competition

Jan 2017-Mar 2017

- Gulf coast session 3rd Place
- 2D and 3D Seismic interpretation on offshore Northern Carnarvon Basin, SW Australia
- Integrated geological, geophysical, and geochemical data for prospects evaluation and risk estimation

Graduate Research Assistant

The University of Texas at Austin, Austin, TX

Sep 2015-Aug 2017

- Petrographic observation and seismic data interpretation
- Project for scholars from *PetroChina* on collaborative projects

Independent study: Analysis on fractured reservoirs

Aug 2014- Dec 2014

The University of Tulsa

- Summarized fractured reservoirs characteristics
- Analyzed influence of fractures on reservoir performance to understand reservoir behaviors

Undergraduate research assistant

Jan 2015- May 2015

The University of Tulsa

- “Discrete Wellbore and Fracture Productivity Modeling for Unconventional Wells and Unconventional Reservoirs” project
- Gather data and tested the newly developed software for reservoir characterization

Lab assistant in geochemistry lab

Sep 2014- May 2015

The University of Tulsa

- Organic matter analyses and interpretation using GCMS

PRESENTATIONS

- *Lithofacies, Diagenesis, and Reservoir Quality of the Unconventional Wolfcampian Succession in the Southeast Midland Basin, West Texas*, GSA Annual Meeting, Seattle, Washington, 2017. (Oral presentation)
- *Lithofacies, Diagenesis, and Reservoir Quality Evaluation of Wolfcamp Unconventional Succession in the Midland Basin, West Texas*, AAPG 2017 ACE, Houston, TX, 2017. (Top 15th Student Poster Presentation)
- *Lithofacies, Diagenesis and Reservoir Quality Evolution of Wolfcamp Sandstone-siltstone Successions in Delaware Basin, West Texas Leadership*, GSA Annual Meeting, Denver, Colorado, 2016. (Poster, co-author)
- *New Insights Into Intercalation And Interlayer Modeling Incorporating Observations From Outcrop Analog*, GSA Annual Meeting, Denver, Colorado, 2016. (Poster, co-author)

WORK EXPERIENCE

Geological data interpreter, Intern

May 2014- June 2014

Geophysical Research Institute, Xinjiang Oilfield Company, PetroChina

- Constructed comprehensive geological map, structural map, and trap map in the southern Junggar region, China
- Examined and sampled cores and interpreted their well log data for petrophysical analyses

Data analyst, Intern

Texas Natural Gas Foundation, Austin, TX

Jan, 2017-Apr 2017

- Data analysis on education tax and energy tax
- Social media contacts clearing and organizing

Teaching assistant

Case Athletic Center of University of Tulsa, Tulsa, OK

Sep 2013- May 2015

- Taught math and chemistry to small groups of student athletes three times a week
- Tracked their academic progress towards their goals

Volunteer Teacher

Westlake Chinese Academy

Sep 2017-May 2018

- Arrange Chinese classes for student age 4-12

SKILLS

- Geological Software: Landmark, Kingdom, Petra, Geomap, Coreldraw, Photoshop
- Computer skills: MATLAB, VBA, C language

HORNORS

- Reviewer for AAPG Bulletin and Marine Petroleum Geology
- 2015 A. N. Murray Award in Geosciences at the Engineering and Natural Sciences Honors and Awards Program at The University of Tulsa
- Honor Society of Phi Kappa Phi
- 2012 scholarship from Jidong oil field, China
- 2011 scholarship from China University of Petroleum
- 2012 China University of Petroleum C language competition Third Prize (out of 1000)