YOUJIE JIANG

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EDUCATION

Chinese University of Hong Kong   2023 - Present
- Doctor of Philosophy in Seismology

Imperial College London London, UK   2018 - 2019
- Master of Science (Merit), Petroleum Geoscience

China University of Geosciences Wuhan, China   2014 - 2018
- Bachelor of Engineering (Honors Degree), Exploration Engineering of Mineral Resources
- Overall GPA: 87/100 (top 5%)
- *Leadership*-Vice Minister of Student Union of China University of Geoscience (2015-2016)

AGH University of Science and Technology Krakow, Poland   2017
- Visiting program, supported by China University of Geosciences (Wuhan)

WORK EXPERIENCE

SINOPEC Geophysical Research Institute   2020 - 2023

Research directions: key geophysical parameters analysis, comprehensive geological - geophysical processing and interpretation, sweet spot prediction and geothermal energy.

- *The Key Geophysical Parameters Study of Deep Shale Gas in Sichuan Basin*
  Nanjing Science and Technology Innovation Program, **PI**
- *Application and Evaluation of High-density Seismic Data in the Tahe Oilfield*
  Leading Technology Program of SINOPEC, **PI**
- *Prediction of Favorable Reservoir Sandbody and Shale Gas Sweet Spot in Yongqian Area*
  Program from CNPC Southwest Oil & Gas Field Company, **PI**
- *Exploration Technology of Deep Geothermal Resources in the Igneous Area of Southern China*
  National Key R&D Program, Main researcher
- *Evaluation and Target Selection of Qiongzhusi Formation Shale Gas in the Southwest Sichuan Basin*
  Key Technologies R & D Program of SINOPEC, Main researcher
- *Seismic Data Processing and Sweet Spot Prediction for the Zhongjiang Gas Field*
  Program from SINOPEC Southwest Oil & Gas Company, Main researcher

RELATED PROJECTS

Independent Project, Imperial College London   May 2019-Sep 2019
- *North American Unconventional Basin Benchmark Study*, supervised by Professor Al Fraser and the Halliburton.
- Using geological analysis along with basic statistics to determine if there is a relationship between production rate and various geological parameters and to find sweet spots in the targeted basin.
- Using machine learning in JMP and Python, and QGIS.

Graduation Project, China University of Geosciences   Oct 2017-Jun 2018
- Experimented with nuclear magnetic resonance test, CT scanning, pressure hole percolation test, and mercury injection, *Characteristics of Tight Sandstone Reservoirs in the Lower Shihezi Formation, Hangjinqi area, Ordos Basin*.
- Analyzed the characteristics of mineralogy, pore-throat structure and pore connectivity under high-pressure condition, to investigate the physical properties of reservoir and explored the dominant reservoir types in tight sandstones.

"Excellent Geologist" Program (PI), China University of Geosciences   Jan 2017-Jun 2018

"Scientist Plan of Talents Project" (PI), China University of Geosciences   Sep 2016-Jun 2018

AWARDS

- CUHK Vice-Chancellor's Ph.D. Scholarship — Aug 2023
- Nanjing Science and Technology Innovation Program Funding — Feb 2021
- "Outstanding graduate", China University of Geosciences — Jun 2018
- President Scholarship of China University of Geosciences — Nov 2016
- "Outstanding Communist Youth League Leader", China University of Geosciences — May 2016

EXPERIENCE

- Intern - Unconventional Reservoir Geoscience of Halliburton, UK — Jun 2019 - Sep 2019
- Pyrenees Field Trip, Spain — May 2019
- Oman Field Trip, Oman — Apr 2019
- Wessex Basin Field Trip of Southern England, UK — Oct 2018
- Intern - Production Engineering of SINOPEC, China — Jul 2017 - Aug 2017
- Intern - Unconventional Reservoir Engineering SINOPEC, China — Jan 2017 - Mar 2017
- Zhoukoudian Field Trip, Beijing, China — Aug 2016 - Sep 2016
- Beidaihe Field Trip, Hebei China — Aug 2015 - Sep 2015

SKILLS

- Software: Petrel, PetrolMod, Jason, Landmark, Python, JMP, ArcGIS and CorelDraw.
- Bilingual in Mandarin and English.