

Chia-Jui (Renn) Chang

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Visa type: F-1 (CPT, OPT allowed)

**Personal Goal: Be a great geophysicist and pursuit lifelong learning.
Meanwhile, live a balanced, happy, and healthy life.**

EDUCATION

Rice University, Houston, Texas 05/2018
Master of Science in Subsurface Geoscience (GPA: 3.9)

National Central University, Taoyuan, Taiwan 06/2015
Bachelor of Science in Earth Science (GPA: 3.9, Rank: 3/50)

University of Bremen, Bremen, Germany 06/2014
Marine Geosciences Program with Exchange Student Scholarship

RELEVANT COURSEWORK

- ▶ 3D Seismic Reflection Data Interpretation
- ▶ Seismic Reflection Data Process
- ▶ Well Log Analysis
- ▶ Siliciclastic and Carbonate Depositional Systems
- ▶ Geophysical Data Analysis: Digital Signal Processing
- ▶ Managing Energy Transitions

EXPERIENCE

University of Houston, Houston, Texas 06/2017-Present
Research Assistant at Caribbean Basins, Tectonics & Hydrocarbons (CBTH) Lab

- ▶ Assisted the compilation of igneous and metamorphic rocks age information from the Gulf of Mexico and the Caribbean region by ArcGIS to make the Atlas for CBTH Phase IV
- ▶ Researched the Bahamas region by using 3D gravity inversion method and magnetic method in order to clarify the crustal type underneath the Bahamas carbonate platform and better understand its tectonic origin

Department of Earth Science, Rice University, Houston, Texas 08/2016-Present
Professional Master Student

- ▶ Processed 2D seismic reflection data by using SeisSpace ProMAX to better understand the software and gain more hands-on experience with seismic data processing in Seismic Reflection Data Process course
- ▶ Interpreted 2D and 3D seismic sections with color pencils and Petrel to learn the concept of seismic interpretation and practice the operation of Petrel in Interpretation of Regional 2D Seismic Data course and 3D Seismic Reflection Data Interpretation course

Bureau of Pollution Control and Prevention, City of Houston, Houston, Texas 02/2017-05/2017
Voluntary Intern – Environmental Investigator

- ▶ Acquired water sample from different bayous in Houston and Galveston area to investigate the water quality and the types of bacteria in the water
- ▶ Investigated the conductivity, pH, salinity, and the percentage of dissolved oxygen of the rivers to build up the database for City of Houston and monitor the condition of the rivers
- ▶ Assisted Trash Bash, the largest single day waterway clean-up event in the State of Texas, to make the event proceed smoothly and to clean up the environment

Department of Earth Sciences, National Central University, Taoyuan, Taiwan 07/2015-07/2016
Research Assistant

- ▶ Acquired land seismic data by seismic vibrator in order to clarify the location of active faults in Eastern Taiwan

- ▶ Analyzed offshore 2D seismic data by using Paradigm Echos to learn the structure of Tainan Basin and South China Sea continental slope
- ▶ Organized a practice course in geophysical prospecting for 50 students to establish their concept of reflection and refraction seismic prospecting
- ▶ Mentored a visiting PhD student from Spain in Paradigm Echos to get the reflection seismic images of southwestern offshore Taiwan and northern South China Sea

Exploration & Development Research Institute, CPC Corporation, Miaoli, Taiwan 7/2013-09/2013
Intern – Geophysicist

- ▶ Studied petroleum system and stratigraphy in order to better interpret seismic profiles
- ▶ Practiced 2D reflection seismic profile interpretation to research a variety of structural and stratigraphic styles, as expressed in seismic data
- ▶ Participated in a field trip to investigate the activities of mud diapir in southwest Taiwan
- ▶ Visited Fengshan wellsite to conceptualize drilling procedures and to better understand the operation of a wellsite

SKILLS & ACTIVITIES

Leadership: Professional Masters Representative of Rice University AAPG Student Chapter (2017-2018), Treasurer of Rice Taiwanese Student Association (2017-2018), Executive Secretary of ChungYu Winter Camp (2013), Vice President of Public Relations in ChungYu Club (2012-2013), Member of Activity Section of Earth Science Summer Camp (2012)

Seismic Data Analysis: Background in Seismic Data Analysis, Paradigm Echos, SeisSpace ProMAX, Deep Reflection Imaging and Multiple Attenuation

Professional Organizations: American Association of Petroleum Geologists, Houston Geological Society, Chinese American Petroleum Association

Programing Languages and Software: Paradigm Echos, Petrel, SeisSpace ProMAX, Geometrics SeisImager, GMT, Adobe Illustrator, MATLAB, ArcGIS, Visual Basic, Microsoft Office Suite

Operating Systems: Windows, Red Hat Enterprise Linux

Languages: Native Chinese, Fluent in English, Elementary German, Elementary Japanese

Activities: Table tennis, Painting

HONORS

Baker Hughes Scholarship Baker Hughes	02/2017
Dean's Award and Outstanding Student Scholarship National Central University	06/2015
The Rising Star Award at Earth Science Thematic Contest National Central University	05/2012