

# Wey Yi Foo

Earth Science Ph.D. Student

weyyi.foo@rice.edu • (346)-666-1515

MS-126 Rice University, 6100 Main Street, Houston, TX-77005

---

---

## Education

### **Rice University**

Ph.D. in Earth Science

Expected 2019

### **University of Minnesota, Twin-Cities**

BS.C. in Earth Science

Dec 2013

## Research Experiences

### **Rice University**

Ph.D. Researcher

Jan 2015 - Present

- Investigating the structural evolution of forearcs as they become deformed by subducting seamounts
- Exploring how pre-existing structures can influence a subduction zone's seismogenic potential

Advisor: Professor Julia K. Morgan

### **University of Minnesota, Twin-Cities**

Undergraduate Research Assistant, Earth Science

Sept 2012 – Sept 2013

- Studied the deformation of olivine subjected to high P-T conditions

Advisor: Professor David L. Kohlstedt

### **University of Minnesota, Twin-Cities**

Undergraduate Research Assistant, Chemical Engineering

Summer 2012

- Researched catalytic conversion of glucose to fructose via zeolite isomerization

Advisor: Professor Michael Tsapatsis, Dr. Nafiseh Rajabbeigi

## Teaching Experiences

### **Rice University**

Earth Structure & Deformation (ESci 323)

Spring 2016

- Lectured on a range of topics including earthquakes, tectonics, and rock deformation
- Taught structural analyses methods and basic field techniques
- Helped guide students along geology field trip in area surrounding Austin, TX

### **University of Minnesota, Twin-Cities**

Solid Earth Dynamics (ESci 2201)

Fall 2013

- Facilitated student understanding of the dynamics of Earth's system via in-classroom exercises
- Led extra weekly review sessions
- Assisted with geology field trip to Taylor Falls State Park

## Technical Experiences

### **Schlumberger, Houston, TX**

Mud Logging Analyst Jun 2014

Jun 2014 - Nov 2014

- Liaised with company man and wellsite geologist on drilling targets to improve safety and success
- Handled reports on geological samples collected and analyzed

### **NCS Subsea, Houston, TX**

Marine Geophysical Surveyor Feb 2014

Feb 2014 - May 2014

- Conducted research to help a team determine locale for seismic expedition
- Riggered up seismic vessel and maintained equipment through entire duration of operation
- Navigated vessel to ensure target shot area was adequately covered

### **University of Minnesota, Twin-Cities**

Field Assistant, Department of Earth Science

Fall 2013

- Led efforts to decommission seismic stations around North Minnesota

## Technical Skills

**Software:** ArcGIS, Petrel, ProMAX, ELFEN

**Laboratory:** Petrographic microscope, Electron microprobe

## Leadership

### **Rice University**

Elected President, GeoUnion (Graduate Society)

May 2016 – Present

Elected Treasurer, AAPG (Rice University Student Chapter)

May 2016 – Present

AAPG Student Expo Committee Member

September 2016

Elected Outreach Coordinator, GeoUnion (Graduate Society)

May 2015 – May 2016

### **University of Minnesota, Twin-Cities**

Elected Treasurer, Geoclub (Undergraduate Society)

May 2013 – Dec 2013

## Community Service

### **Loaves and Fishes Soup Kitchen, Bloomington, MN**

Kitchen Helper

Jan 2013 – Dec 2013

### **Rochester Community and Technical College, Rochester, MN**

Math Tutor – at the Community Learning Center

Sept 2010 – May 2012

## Affiliations

American Association of Petroleum Geologists, Member

Geological Society of America (GSA), Member

Houston Geological Society, Member

Society of Exploration Geophysicists, Member

## Languages and Interests

Languages: English, Mandarin, Hokkien

Interests: Sailing, cooking, hiking, traveling, soccer, time-lapse photography