

# Daniel Woodworth

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**Objective:** to obtain an Earth Science internship during the summer of 2017.

## Education

➤ **Rice University, Houston, TX**

Doctor of Philosophy in Geoscience, anticipated May 2018

GPA: 3.78

Thesis: *Pacific Plate Movement during the Hawaiian-Emperor Bend*

➤ **Texas Christian University (TCU), Fort Worth, TX**

Bachelor of Science in Geology with minors in Mathematics and Physics, May 2014

GPA: 3.68

## Professional Experience

**Research Assistant**, August 2014 – Present

Rice University Department of Earth Science, Houston, TX

- Developed a new method for calculating intraplate strain rates created by lithospheric motion relative to the spin axis of a nonspherical Earth, presented preliminary findings at AGU in 2015, and will present final results at AGU in 2016
- Related courses: Earth Systems Modeling, Advanced Seismology, Tectonophysics, Inverse Methods, Marine Geology Systems

**Teaching Assistant**, May 2016

Rice University Department of Earth Science, Houston, TX

- ESCI 452: GIS for Geoscientists

**Student Researcher**, May 2013 – May 2014

TCU School of Geology, Energy, and the Environment, Fort Worth, TX

- Collected drill core data in the Missouri River Valley to create a trio of quadrangle maps of paleochannels

## Honors and Awards

**2015 Sam and Helen Worden Fellowship**

- Awarded to graduate students who have demonstrated progress and leadership in earth science, biology, or physics

**2013 Dan Jarvie Award**

- Awarded annually by the TCU Energy Institute for excellence in research relating to shale exploration

**2013 AAPG Southwest Section Scholarship**

- Awarded to students who demonstrate excellence in geological research in fields related to oil and gas exploration

## Volunteer Experience

**Klein Forest High School**, February 2015

- Spoke to senior-level earth science classes on developments in Earth Science

**Society of Physics Students**, May 2012 – May 2014

- Elected secretary in 2012 and president in 2013; coordinated planning for TCU's "Physics Olympics" for local high-school students and provided tutoring to students in introductory physics classes

**Sigma Gamma Epsilon Honors Society for the Earth Sciences**, May 2011 – May 2014

- Elected treasurer in 2012; managed finances and provided tutoring to students in Earth science classes