

# Chengzu Wang

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## Objective

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Apply for an internship in 2017.

## Education

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- **Rice University, Houston, TX** **08/2014–05/2018 (expected)**
  - *Ph.D. Student in Geophysics (GPA: 4.00/4.00)*  
Advisor: Richard. G. Gordon (Keck Professor of Geophysics)
- **Peking University, Beijing, P.R. China** **09/2010–07/2014**
  - *B. S. in Geology*, with distinction (**GPA: 3.74/4.00, Ranking 1/40**)

## Research Experience

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- **Research Assistant on Global Tectonics, Rice University** **08/2014–present**
  - **Project 1:** Investigate current absolute plate velocities inferred from hotspot tracks, comparison with absolute velocities inferred from seismic anisotropy, and bounds on motion between groups of hotspots.
  - **Project 2:** Investigate the azimuth of seismic anisotropy in Eurasia plate and its relationship with absolute plate motions.
  - Related Courses: 3-D Seismic Interpretation, Digital Signal Processing, Exploration Geophysics, Well Logging and Petrophysics, Advanced Tectonics, Seismology, and Tectonophysics.
- **Senior Thesis** **09/2013–07/2014**
  - **Topic:** *Evolution of Eastern Himalayan Tectonic Syntaxis through Fission Track Method.*
  - Collected Cenozoic granite samples for fission track in Yarlung Zangbo Valley, Tibet.
  - Observed fission track through petrographic microscope.
  - Concluded that rainfall play a significant part in erosion rate of this region, which partly contribute to explain tomographic evolution in this area.
- **Undergraduate Research & Training Program** **06/2012–10/2013**
  - **Topic:** *Low velocity layers in crust and earthquakes in the capital area of China.*
  - Utilized ANSYS and related software to set up 3-D viscous-elastic finite element models.
  - Conducted numerical simulation to find the best model for earthquakes near low velocity layers.
  - Concluded that low velocity layer could cause stress accumulation and release stress through earthquakes at nearby faults.

## Computer Skills

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- Programming Language: C, C++, Unix Shell, Fortran and Matlab.
- Software: Petrel, Visual Studio, GMT, Microsoft Office, CorelDraw, and ANSYS.

## Honors & Awards

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- Dean's Fellowship, Rice University (2014-present).
- Geology Fellowship, Peking University (2010-2014).
- Hui-Chun Chin and Tsung-Dao Lee Chinese Undergraduate Research Fellowship (2012-2013).
- Award of Excellence for Undergraduate Research & Training Program (2012-2013).

## Professional Affiliations

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- AAPG, AGU, SEG

## Publication

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**Wang, Chengzu, R. G. Gordon, Lin, Zheng** "Investigate current absolute plate velocities inferred from hotspot tracks, comparison with absolute velocities inferred from seismic anisotropy, and bounds on motion between groups of hotspots." *In preparation.*