

Xiaochuan Tian

Graduate Research Assistant

Center for Earthquake Research and Information, University of Memphis

3890 Central Avenue, Memphis, TN 38152, U. S. A.

Tel: (901)-246-8717 Email: xtian@memphis.edu Website: kelvintian.weebly.com

EDUCATION

- Sun Yat-Sen University, Guangzhou, China

— B.Sc. in Geology, GPA (3.2/4.0), 2013

- University of Memphis, Memphis, U.S.A.

— M.Sc. in Geophysics, current GPA (3.97/4.0), Expected graduation: 2015

RESEARCH INTERESTS

- Computational Geodynamic Modeling
- Tectonics and Magmatism Interactions at Mid-Ocean Ridges

RESEARCH AND PROFESSIONAL EXPERIENCE

- **Graduate Research Assistant, Center for Earthquake Research and Information,
University of Memphis 2013.09 Present**

Thesis: *3D Numerical Models for Along-axis Variations in Diking*, Advisor: Dr. Eunseo Choi

Please refer to 2014 AGU Fall Meeting abstract submission:

<https://agu.confex.com/agu/fm14/webprogrampreliminary/Paper25839.html>

- **Research Assistant, Guangdong Provincial Key Laboratory of Mineral Resources
and Geological Processes (GDMine), Guangzhou, China 2012.9 2013.7**

Assist in studying the process control in inversion for elastic parameters using pre-stack full-waveform seismic data from South China Sea, Supervisor: Dr. Gu Cheng

Undergraduate Thesis: *Basic Principles for Identifying Thin-bed by applying Spectral Inversion*,
Advisor: Dr. Gu Cheng

- **Project Assistant, Second Water Resource Development in Dushanzi District,
Dushanzi, Xinjiang, China 2012.7 2012.9**

*Collaboration between Xinjiang Hongchang Water Survey, Design and Planning Co., Ltd. and China National Petroleum Corp.

Acquired position data by utilizing Real Time Kinematic (RTK)

Conducted electromagnetic geological profile survey of the region by operating Geonics TEM67

Discussed engineering plan for water resource development

- **Volunteer, Annual meeting of the International Professionals for the
Advancement of Chinese Earth Sciences , Guangzhou, China 07/2012**
- **Internship, Chaohu Geological Education Base, Anhui, China 2012.5 2012.7**

Practiced geological field skills: measuring and sampling

Processed data and drew regional geological map

EXTRACURRICULAR ACTIVITIES

- **Captain of Department of Earth Sciences Basketball Team, SYSU, 2009 2010**
- **Team Member of University Swimming Team, SYSU 2010 2012**
- **Team Member of University Basketball Team, SYSU 2009 2010**
- **Participant in Shenzhen 26th Summer Universiade 2011's Torch Relay**

Rode a Bicycle for 2000km in 36days Relaying the Torch in Eastern China

SKILLS

- **Programming Language: Shell Script, C, Fortran, Python, MATLAB**
- **Software: SNAC, FLAC, Git, GMT, SAC**

LANGUAGES

English, Mandarin, Cantonese