

Long Huang

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OBJECTIVE

Looking for an **internship** as a **geophysicist** with the oil and gas industry

EDUCATION

PhD candidate, Geophysics — University of Houston Aug, 2013 - **Aug, 2015**
M.S., Geophysics — University of Houston Aug, 2011 - Aug, 2013
Advisor: Robert Stewart **GPA: 3.85/4.0**
Thesis: Fluid substitution and AVAZ analysis of fractured domains: An ultrasonic experimental study
· Related courses: 3-D Seismic Exploration I (Interpretation), 3-D Seismic Exploration II (AVO), Borehole Geophysics, Unconventional Resource Assessment, Multicomponent Seismic, Rock Physics, Geophysical Data Processing, Seismic Wave & Ray Theory, Potential Field Methods,
· Honors: **Marathon Oil Scholarship, SEG Scholarship** (Robert E. Sheriff Scholarship)

PROFESSIONAL EXPERIENCE

Teaching Assistant at University of Houston Aug. 2013- Present
· Instructed the section of Physical Geology Lab
· Tutored geosciences related classes and helped students with their academic questions at Geosciences Learning Center
Research Assistant at University of Houston Aug. 2011- Aug. 2013
· Proposed new research projects
· Wrote final reports for the projects and presented the results
· worked on the ConocoPhillips supported projects which focused on the study of **shale anisotropy** in Allied Geophysical Laboratories (AGL), duties included physical models design, running ultrasonic experiments, data processing
Class projects at University of Houston Aug. 2011- present
· Processed the 3D data from Fort Worth Basin using **Focus**
· Georges Bank gravity and magnetic characterization using **Geosoft-Montaj** and **ArcGis**
· Studied the Reflection Coefficients for Isotropic, VTI and HTI Media using **Matlab** for coding
· Compared three different methods for wave field separation for VSP data using **VISTA**

ACTIVITIES

President of the SEG Wavelets, SEG student chapter at University of Houston Sept, 2013 - Present
· Organized the weekly Exploration Geophysics Lecture Series (EGLS) promoted SEG membership
· closely connected with industry and GSH on social events and activities
Yellowstone-Bighorn Research Association (YBRA) Geophysical Camp Aug, 2013
· teach and design the field course as the **instructor** for GPR section
· evaluate students presentations and work
Seismic surveys in Hockley Fault and UH Coastal Center March, 2012
· basic seismic acquisition training and research data collection

PUBICATIONS & TECHNICAL PRESENTATIONS

Huang, L., Dyaur, N., Sil, S., Stewart, R., 2013, Fluid substitution analysis of a fractured medium: An ultrasonic experimental study. (paper in preparation)
Huang, L., Jiang, T., Omoboya, B., Dyaur, N., Stewart, R., and Sil, S., 2013, Fluid substitution for an HTI medium. SEG Technical Program Expanded Abstracts 2013
Omoboya, B., Figueiredo, J., **Huang, L.,** Pacal, E., Dyaur, N., Stewart, R., 2013, Experimental verification of the influence of fluids on seismic azimuthal anisotropy, 75th EAGE Conference & Exhibition incorporating SPE EUROPEC 2013
Fluid substitution for an HTI medium, **oral presentation at the 2013 SEG meeting** & 2013 AGL Day
Converted wave inversion to assess fractured domains: Physical modeling, poster at 2012 AAPG-SEG Student EXPO

SKILLS

· Matlab, VISTA, Promax, Kingdom, Focus, C Programming, ArcGis, Geosoft-Montaj, Linux