

# JOHN A. GREENE

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## EDUCATION

Texas A&M University - College Station, TX

Aug. 2015 - Present: Ph.D. Program - Geophysics - Department of Geology and Geophysics  
Advisor: Masako Tominaga

Michigan State University - East Lansing, MI

May 2015: B.S. with Honor - Environmental Geosciences, Concentration in Geophysics

## PROFESSIONAL EXPERIENCE

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|-----------------------|---|
| Aug. 2015 - Present   | Graduate Research Assistant - Dept. of Geology & Geophysics, Texas A&M University (Advisor: Masako Tominaga)          |
| June 2016 - July 2016 | Guest Student Researcher - Woods Hole Oceanographic Institution (Advisors: Daniel Lizarralde and Masako Tominaga)     |
| May 2014 - July 2015  | Undergraduate Research Assistant - Dept. of Geological Sciences, Michigan State University (Advisor: Masako Tominaga) |
| Oct. 2013 - May 2015  | Geoscience Intern - Sadie Oil LLC, Lansing, MI  |

## RESEARCH INTERESTS

Jurassic-Early Cretaceous Lithospheric Evolution, Rifted Margins, Tectonic/Magmatic Segmentation, Acoustic Detection of Sediment Diagenesis

## FIELD EXPERIENCE

|      |  |
|------|--|
| 2016 | Science Verification Cruise Leg V - R/V Neil Armstrong (Watch Stander)   |
| 2016 | Evolution of South Atlantic Oceanic Crust: A Seismic Transect - R/V Marcus G. Langseth [MGL1601] (Watch Stander) |
| 2015 | Tamu Massif Magnetism and Bathymetry Cruise - R/V Falkor [FK151005] (Multibeam Processing Coordinator)           |
| 2015 | ENAM 2015 Land Seismic Refraction Experiment (Field Scientist)   |
| 2014 | Pacific AUV Jurassic Magnetism Cruise - R/V Sikuliaq [SKQ201402S] (Watch Leader)                                 |

## TEACHING

|      |  |
|------|--|
| 2015 | Texas A&M GEOP431-500 Near Surface Geophysics (Guest Lecturer - "Navigation and Acoustic Mapping") |
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## HONORS and AWARDS

|             |   |
|-------------|---|
| 2016 - 2017 | Unocal Graduate Scholarship in Geoscience - Texas A&M University  |
| 2015 - 2016 | Chevron Fellowship - Texas A&M University   |
| 2013 - 2014 | Lucile Drake Pringle and Gordon H. Pringle Endowed Geological Sciences Fellowship - Michigan State University |
| 2013        | Neal Endowed Geological Sciences Scholarship - Michigan State University                                      |
| 2011 - 2015 | Michigan State University Dean's List   |

### **SHORT COURSES/WORKSHOPS**

|      |                                       |
|------|---------------------------------------|
| 2016 | BP Sequence Stratigraphy Short Course |
| 2015 | BP Well Log Interpretation Workshop   |

### **LEADERSHIP/ACTIVITIES**

|                |   |
|----------------|---|
| 2015 - present | Geology and Geophysics Graduate Student Council - Texas A&M University (Member) |
| 2015 - present | SEG Student Chapter - Texas A&M University (Member)                             |
| 2015 - present | AAPG Student Chapter - Texas A&M University (Member)                            |
| 2015 - present | Geology & Geophysics Society - Texas A&M University (Member)                    |
| 2012 - 2015    | MSU Geology Club (Secretary 2014 - 2015)  |

### **SELECTED OUTREACH AND SERVICE ACTIVITIES**

|            |  |
|------------|--|
| 2015       | MSU Science Fair, hands-on geology booth                 |
| 2014, 2015 | Fairview Elementary Science Expo, hands-on geology booth |
| 2014       | MSU Sparticipation, MSU Geology Club recruitment booth   |

### **PROFESSIONAL MEMBERSHIPS**

American Geophysical Union, Geological Society of America, American Association of Petroleum Geologists

### **COMPUTER KNOWLEDGE**

MATLAB, Python, GMT (Generic Mapping Tools), Paradigm Echos, Fortran, QGIS, OpendTect, Caris HIPS and SIPS, MB-System, Fledermaus, Adobe Suite, Shell Script

### **PUBLICATIONS**

#### *In Preparation*

- Feng, H., M. Tominaga, D. Lizarralde, M. Tivey, J. A. Greene, J. Zhang, and W. W. Sager, Modes of magmatism in the western Pacific seafloor during Cretaceous Supervolcanism, in prep, *Geochem. Geophys. Geosyst.*
- Karl, M. A., M. Tominaga, J. A. Greene, N. C. Miller, and D. Hutchinson, The Origin and Implication of Hudson Fan Magnetic Anomaly High in the Eastern North American Margin (ENAM), in prep, *Geophys. Res. Lett.*

Published (peer-reviewed)

Greene, J. A., M. Tominaga, and D. K. Blackman (2015), Geologic implications of seafloor character and carbonate lithification imaged on the domal core of Atlantis Massif, *Deep-Sea Res. II*, 121, 246-255, doi:10.1016/j.dsr2.2015.06.020.

**CONFERENCES**

Greene, J. A., M. Tominaga, N. C. Miller, M. R. Karl, Refining the Formation and Early Evolution of the Eastern North American Margin (ENAM): New Insights from Multiscale Magnetic Anomaly Analyses, AGU Fall Meeting 2016 (Submitted)

Greene, J. A., M. Tominaga, and D. K. Blackman, Subsurface implications of spatially variable seafloor character on the Atlantis Massif, AGU Fall Meeting 2014, OS53C-1070.