

# Julia Irizarry | Curriculum Vitae

University of Oregon  
Department of Geological Sciences  
1272 University of Oregon, Eugene, OR 97403  
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## Education

**M.S. candidate Geology (Expected Graduation: Spring 2015)** **Fall 2013 - current**

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University of Oregon  
Department of Geological Sciences  
1272 University of Oregon, Eugene OR 97403

**B.S. Geology: Quantitative Geoscience** **Received: Summer 2013**

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Appalachian State University  
Department of Geology  
ASU Box 32067, Boone, NC 28608

## Appointments

**Research Assistant** **Fall 2013 - current**

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University of Oregon  
Department of Geological Sciences  
Research Advisor: Alan Rempel  
Gas Hydrate Solubility in Porous Media

**Graduate Teaching Fellow** **Fall 2013 - current**

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University of Oregon  
Department of Geological Sciences

**Undergraduate Research Assistant** **Fall 2011 – Spring 2012**

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Appalachian State University  
Department of Geology  
Research Advisor: Scott Marshall  
Static Stress Change during Northridge 1994 Earthquake

## Conference Abstracts

- AGU Fall Conference (2014) J.T. Irizarry, A. Rempel. *The growth and decay of hydrate anomalies in marine sediments.*
- 8<sup>th</sup> International Conference on Gas Hydrates (2014) J.T. Irizarry, A. Rempel. *How methane solubility changes with hydrate saturation, pore size and salt content in polydispersed media.*
- AGU Fall Conference (2011) J.T. Irizarry, S.T. Marshall. *Static stress changes due to the 1994 M6.7 Northridge Earthquake and the potential for triggered slip on the San Andreas Fault.*

## Field Experience

- Lake Issyk Kul, Kyrgystan (2014). University of Oregon Graduate Student Field Course. We studied neotectonics and biostratigraphy in one of the fastest uplifting mountain ranges.
- Black Hills, South Dakota (2013). South Dakota School of Mines Geological Engineering Field Camp. We focused on slope stability, geomechanics, geotechnical engineering, surface and ground water hydrology, contaminant transport, and geophysics while also making geologic maps and concentrating on the significance of the local geology to each topic.
- Appalachian Mountains, North Carolina (2011). Preparation of Geologic Reports Field course. We used the regional outcrops to study the past orogenies.
- Appalachian Mountains, South Carolina (2010). Geomorphology field course. We studied landscape evolution and structures of the region.

## Professional Skills

- Matlab
- Bash
- 3D move
- Generic Mapping Tools
- Introduction to Java
- Visual MINTEQ
- Introduction to perl
- Adobe products
- Microsoft products

## Teaching Experience

Graduate Teaching Fellow (2013-present). University of Oregon, Department of Geological Sciences.

- Introduction to Geology (Fall 2013)
- Dinosaurs (Spring 2014)
- Mineralogy (Fall 2014)

## Professional Memberships

American Geophysical Union

Geological Society of America

Association of Women Geoscientists

American Institute of Professional Geologists