

# Stephanie Vincent

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Department of Geology and Geophysics, 1000 E. University Ave. Laramie, WY 82071-2000

## Education

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### University of Wyoming, Laramie, WY

Expected End Date: Spring 2017

- MS Geology- Focus: Metamorphic Petrology
- Advisors: Dr. Carol Frost and Dr. Ron Frost

### Hope College, Holland, MI

May 2015

- BS Geology, BA Chemistry (Cum Laude)- Overall GPA: 3.64/4.0, Geology course work GPA: 3.84/4.0

### University of Canterbury, Christchurch, New Zealand

Fall 2013

- Semester Study Abroad

## Research/ Fieldwork Experience

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### Graduate Research- Black Rock Mountains, Fremont Country, WY

Summer 2015-present

Advisors: Dr. Carol Frost and Dr. Ron Frost, University of Wyoming

*Making of a continent: evolution of the south-central Wyoming Province*

- Research integrating metamorphic petrology, tectonics, and geochronology focused on understanding the metamorphic history of the area
- Will do field work and lab work including mass spectrometry, ion microprobe, SHRIMP, and transmitted light microscopy

### Undergraduate Research- Stensjö Association, Obbhult, Sweden

Summer 2014

Advisor: Dr. Edward Hansen, Hope College and Dr. Leif Johansson, Lund University

*Megacrysts and partial melting in amphibolites from Halland Province, Southwestern Sweden*

- Attempted to reconstruct the reactions responsible for the formation of leucosomes by studying the associated megacrysts and mineral assemblages of the host rocks
- Mapped for three weeks and collected samples in Sweden
- Analyzed samples with a polarizing microscope and SEM/EDS and whole rock analysis was completed with x-ray fluorescence
- Presented findings as a formal presentation at GSA 2014, Vancouver

### Field Course- Field Techniques, University of Canterbury, Westport, New Zealand

Fall 2013

- Mapped and described several areas along the West Coast of New Zealand
- Created stratigraphic logs and measured applied biostratigraphic sections
- Collected and interpreted structural data using stereonet

### Field Courses- Hope College

- Regional Field Geology- West Coast and Central California

Spring 2013

- Michigan Field Geology- Upper Peninsula, MI

Fall 2012

## Employment

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### Teaching Assistant- University of Wyoming

Fall 2015-present

Petrology II: Igneous and Metamorphic Petrology- Instructor: Dr. Ron Frost

- Labs focused on mineral identification and techniques in transmitted light microscopy
- Assisting teaching of phase diagrams and thermodynamics

### Undergraduate Teaching Assistant- Hope College

Fall 2014

Michigan Field Geology- Instructor: Dr. Ed Hansen

- Co-taught 10-day field course in Upper Peninsula, MI

- Instructed students, graded field books and exams, and increased students understanding of geology

Environmental Geochemistry- Instructor: Dr. Ed Hansen

- Graded problem sets and assisted professor when needed

**Hostess and Event Server**

Summers 2011-2013

- Pinstripes (restaurant and entertainment venue)

**Day Camp Counselor**

Summers 2011-2012

- Instructed and entertained 3-4 year old children

**Honors/ Awards**

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- Tulip City Gem and Mineral Club Award (Senior Geology Award) Spring 2015
- Sigma Xi Research Award Spring 2015
- Dean's List Spring& Fall 2012, 2013, 2014, Spring 2015
- Michigan Space Grant Undergraduate Fellowship Summer 2014
- Geology Faculty Book Award (Junior Geology Award) Spring 2014

**Professional Memberships**

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- Geological Society of America (GSA) August 2014-present
- American Association of Petroleum Geologists (AAPG) September 2015-present

**Presentations, Abstracts, Publications**

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- **Vincent, S.**, Vandermeulen, R.C., Wade, R., LaRoche, A., Johansson, L., Hansen, E.C., 2014, Megacrysts and partial melting in amphibolites from Halland Province, Southwestern Sweden. *Geological Society of America Abstracts with Programs*, v. 46, no. 6, p. 553.
- Hansen, E., Johansson, L., Andersson, J., LaBarge, L., Harlov, D., Möller, C., **Vincent, S.**, 2015, Partial melting in amphibolites in a deep section of the Sveconorwegian Orogen, SW Sweden. *Lithos*, v. 236-237, p. 27-45.

**References**

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- Dr. Carol Frost  
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