# Julia Simonson

128 Sawyer Environmental Research Center
Orono, ME 04469
julia.simonson@maine.edu

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## Education

**Candidate for Doctor of Philosophy in Earth and Climate Sciences** Present
School of Earth and Climate Sciences, University of Maine, Orono, ME
GPA: 3.89

**Master of Science in Earth and Atmospheric Sciences** May 2016
Specialization: Meteorology/Climatology
College of Arts & Sciences, University of Nebraska – Lincoln, Lincoln, NE
GPA: 3.94
Thesis: Winter Snowpack Evolution and Precipitation Patterns Related to Cyclone Activity in the Western United States

**Bachelor of Science in Atmospheric Sciences** May 2014
John D. Odegard School of Aerospace Sciences, University of North Dakota, Grand Forks, ND
GPA: 3.36
Senior Thesis: Index Comparison and Error Analysis of Wind Chill Equivalent Temperature

## Internships

**Student Volunteer** January - May 2013
National Weather Service Grand Forks Weather Forecasting Office

**Member of K-12 Outreach Working Group** September - November 2010
Student Nowcasting and Observations with the DOW University of North Dakota: Education through Research (SNOwD UNDER)

## Awards and Honors

University of Maine Signature and Emerging Area of Excellence Graduate Fellowship, 2016 - present
Harold W. Borns Jr. Symposium Best Student Presentation Award Third Place, May 2018
University of North Dakota Presidential Scholar, 2010 - 2014
D.J Robertson Academic Award, January 2011

## Conference Presentations

2018 *Evaluating Numerical Simulations of the December 2013 Ice Storm*, Harold W. Borns Jr. Symposium, University of Maine at Orono

2017 *Maine State Climate Report*, 34th Annual Meeting of the American Association of State Climatologists, Asheville, North Carolina

2017 Reconstruction and Analysis of the Most Damaging Storms in Maine over the Past 20 Years (poster), Harold W. Borns Jr. Symposium, University of Maine at Orono

2017 A Blast from the Past: Understanding cultural, atmospheric, and ecological resilience in response to explosive volcanism (poster), University of Maine Student Symposium, Bangor, Maine

## Programming Skills

Extensive use of the Weather Research and Forecasting (WRF) model
Proficient in NCAR Command Language (NCL), Interactive Data Language (IDL) and C
Experience in High Performance Computing (HPC)
Basic experience in Java and ArcGIS

## Professional Affiliations

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| American Meteorological Society | December 2017 - present |
| Student Chapter of American Meteorological Society | August 2010 - May 2011 |