

# Kyle R. Knipper

1332 Walton Dr. Apt. 205 | Ames, IA 50014 | (563) 920-0957 | knipper@iastate.edu

---

<b>EDUCATION</b>	<b>University of Northern Iowa, Cedar Falls, IA</b> <i>Bachelor of Science: Earth Science Teaching</i> <ul style="list-style-type: none"><li>• GPA: 3.40/4.00</li></ul> <b>Iowa State University, Ames, IA</b> <i>Bachelor of Science: Meteorology</i> <ul style="list-style-type: none"><li>• GPA: 3.86/4.00</li></ul>	Expected Graduation: May 2013
<b>EXPERIENCE</b>	<b>Iowa State University, Ames, IA</b> <i>Undergraduate Research Assistant to Dr. Kristie Franz</i> <ul style="list-style-type: none"><li>• Exploring the correlations between frozen ground in the cold season and peak streamflow during rainfall and snowmelt periods using Land Surface Temperature (LST) obtained by MODIS satellite data</li><li>• Learning basic programming computer languages and skills (MATLAB, PYTHON, GIS) necessary when conducting research</li><li>• Presented research at undergraduate senior research symposium</li></ul> <b>National Weather Service, Johnston, IA</b> <i>Volunteer</i> <ul style="list-style-type: none"><li>• Mentored through forecasting techniques, data analysis, and software operation</li></ul> <b>University of Northern Iowa, The Storm Project Air Quality Workshop</b> <i>Professors Assistant</i> <ul style="list-style-type: none"><li>• Assisted in developing class labs to increase knowledge of administrating different air quality instruments</li><li>• Developed and administered the class schedule</li><li>• Assisted in any projects the professor deemed necessary for the workshop</li></ul> <b>University of Northern Iowa, Wellness &amp; Recreation Center</b> <i>Facility Manager</i> <ul style="list-style-type: none"><li>• Supervised over 200 student employees</li><li>• Managed the set up for a large range of public and university events</li><li>• Excelled in communication with patrons, students, and faculty in various situations</li></ul> <b>Dairy Farm, Hopkinton, IA</b> <i>Farm Hand</i> <ul style="list-style-type: none"><li>• Daily manual labor including, but not limited to, milking cows, operating farm machinery, cleaning livestock floors, mixing feed, repairing equipment and machinery</li></ul>	April 2012 -Present December 3, 2012 January 2012-May 2012 July 2010 / July 2011 Aug. 2009 – May 2010 Jan. 2000 – Present
<b>COURSES</b>	<b>Air Quality, University of Northern Iowa, Cedar Falls, Iowa</b> <ul style="list-style-type: none"><li>• Completed AERMOD modeling, legislative aspects of air quality among many other air quality characteristics</li></ul> <b>Physics &amp; Calculus, Iowa State University, Ames, Iowa</b> <ul style="list-style-type: none"><li>• Completed all Physics and Calculus pre-requisites in Meteorology program including Differential Equations</li></ul> <b>Meteorology Courses, Iowa State University, Ames, Iowa</b> <ul style="list-style-type: none"><li>• Synoptic Meteorology I &amp; II, Atmospheric Physics I &amp; II, Dynamic Meteorology I &amp; II, Mesoscale Dynamic Meteorology, and Surface Hydrology</li></ul> <b>Computer Science 207, Iowa State University, Ames, Iowa</b> <ul style="list-style-type: none"><li>• Basics of computer programming using an object-oriented programming language</li></ul> <b>English 309, Iowa State University, Ames, Iowa</b> <ul style="list-style-type: none"><li>• report and proposal writing consisting of an introduction to the theory and practice of preparing and analyzing reports and proposals</li></ul>	Jan. 2010 – May 2010 Aug. 2010 – May 2011 Jan. 2011 – Jan. 2012 Aug. 2011 – Dec. 2011 Jan. 2012 – May 2012
<b>VOLUNTEER</b>	<b>American Meteorology Society's (AMS) Alabama Trip</b> <ul style="list-style-type: none"><li>• Aided in Tornado relief effort in Huckleburg, Alabama after April 2011 tornado outbreak</li></ul>	May 2011
<b>CONFERENCES</b>	<b>Severe Storms and Doppler Radar Conference, Ankeny, IA</b> <ul style="list-style-type: none"><li>• Attended presentations where I became familiar with the latest research in meteorology</li></ul>	Mar. 31 – Apr. 2 2011
<b>HONORS</b>	Iowa State University Meteorology Senior Thesis Runner-up Award Iowa State University American Meteorological Society Academic Chair Iowa State University Dean's List Member of The National Society of Leadership and Success UNI Distinguished Scholar Scholarship	Dec. 2012 2012-2013 2010-2012 2011 2008