

# Lucas J. Sterzinger

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Address and Phone Censored for GitHub

EDUCATION	<b><i>PhD</i></b> , Atmospheric Science University of California, Davis, Davis, CA Anticipated: Spring 2022  <b><i>Bachelor of Science</i></b> , Atmospheric Sciences 2012 - 2017 University of North Dakota, Grand Forks, ND Minor: Mathematics  <b><i>Bachelor of Science</i></b> , Aeronautics 2012 - 2017 University of North Dakota, Grand Forks, ND	2017 - Present
	COMPUTER SKILLS	<i>Languages &amp; Software:</i> Python, MATLAB, Fortran, C <i>Operating Systems:</i> Unix/Linux, MacOS, Windows
	WORK EXPERIENCE	
	<b><i>Graduate Student Researcher</i></b> Atmospheric Science Graduate Group, UC Davis Dr. Adele Igel, Faculty Advisor  <ul style="list-style-type: none"><li>• Works on various research related to cloud and precipitation physics. Projects include:<ul style="list-style-type: none"><li>– Effect of ice crystal habit (shape) on orographic snowfall in the Sierra Nevada Mountains (Internal Funding)</li><li>– Examining the relationship between mixed-phase Arctic cloud dissipation and aerosol properties (Department of Energy Funding)</li></ul></li></ul>	2017 - Present
	<b><i>Undergraduate Research Assistant</i></b> Dept. of Atmospheric Sciences, University of N. Dakota Dr. Gretchen Mullendore, Faculty Advisor  <ul style="list-style-type: none"><li>• Worked on the “Big Weather Web” project examining potential uses for cloud infrastructure for numerical weather prediction.</li></ul>	2016-2017
	<b><i>Undergraduate Teaching Assistant</i></b> Dept. of Atmospheric Sciences, University of N. Dakota  <ul style="list-style-type: none"><li>• Independently taught Introduction to Meteorology lab, complete with weekly lectures and laboratory experiments.</li></ul>	2015-2017
	<b><i>Technical Support Specialist</i></b> Univ. of N. Dakota School of Medicine and Health Sciences  <ul style="list-style-type: none"><li>• Responsible for direct technology support to faculty, staff, and students. Also worked on managing video conference systems, networks, and servers.</li></ul>	2012-2017

<b>PUBLICATIONS</b>	<p><i>The Effects of Ice Habit on Orographic Snowfall</i> Research Paper - In Preparation</p> <p>2020 (<i>Anticipated</i>)</p> <p><i>Effect of Ice Habit on Modeled Predictions of Orographic Precipitation [Poster]</i> American Geophysics Union Fall Meeting 2019</p> <p>Dec. 2019</p> <p><i>Effects of Ice Habit on Sierra Nevada Snowfall and Implications for Climate Change [Poster]</i> American Geophysics Union Fall Meeting 2018</p> <p>Dec. 2018</p> <p><i>Models in the Cloud: A Cost Exploration of Cloud Computing for the Atmospheric Sciences</i> News@Unidata Blog <a href="https://www.unidata.ucar.edu/blogs/news/entry/models-in-the-cloud-a">https://www.unidata.ucar.edu/blogs/news/entry/models-in-the-cloud-a</a></p> <p>Nov. 2017</p>
<b>ORGS</b>	<p>American Meteorological Society</p> <p>American Geophysics Unions</p>
<b>LANGUAGES</b>	<p>English</p> <p>French (Bilingual Fluency)</p> <p>German (2 years of courses)</p> <p>Russian (1 semester of courses)</p>
<b>REFERENCES</b>	<p>Available upon request</p>