

**Lucas J. Sterzinger**  
Curriculum Vitae

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Address and Phone Censored for GitHub

<b>EDUCATION</b>	<b><i>PhD</i></b> , Atmospheric Science University of California, Davis, Davis, CA Anticipated: Spring 2022	2017 - Present
	<b><i>Bachelor of Science</i></b> , Atmospheric Sciences University of North Dakota, Grand Forks, ND Minor: Mathematics	2012 - 2017
	<b><i>Bachelor of Science</i></b> , Aeronautics University of North Dakota, Grand Forks, ND	2012 - 2017
<b>WORK EXPERIENCE</b>	<b><i>Graduate Student Researcher</i></b> Atmospheric Science Graduate Group, UC Davis Dr. Adele Igel, Faculty Advisor	2017 - Present
	<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. (Funding: Internal)</li><li>– Examining the relationship between mixed-phase Arctic cloud dissipation and aerosol properties. (Funding: DOE ASR)</li></ul></li></ul>	
	<b><i>Undergraduate Research Assistant</i></b> Dept. of Atmospheric Sciences, University of N. Dakota Dr. Gretchen Mullendore, Faculty Advisor	2016-2017
	<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>	
	<b><i>Undergraduate Teaching Assistant</i></b> Dept. of Atmospheric Sciences, University of N. Dakota	2015-2017
	<ul style="list-style-type: none"><li>• Independently taught Introduction to Meteorology lab, complete with weekly lectures and laboratory experiments.</li></ul>	
	<b><i>Technical Support Specialist</i></b> Univ. of N. Dakota School of Medicine and Health Sciences	2012-2017
	<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>	

<b>SERVICE</b>	<b><i>UC Davis Graduate Student Association</i></b> <i>General Assembly Representative</i> <i>Elections Committee</i>	2019-Present 2019-2020
	<b><i>UC Davis Academic Senate</i></b> <b><i>Committee on Information Technology</i></b> <i>Graduate Student Representative</i>	2020-Present
<b>PUBLICATIONS</b>	<b><i>The Effects of Ice Habit on Simulated Orographic Snowfall</i></b> Research Paper - In Review	<i>In Review</i>
	<b><i>Models in the Cloud: A Cost Exploration of Cloud Computing for the Atmospheric Sciences</i></b> 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>	Nov. 2017
<b>CONFERENCES</b>	<b><i>Arctic Mixed-Phase Cloud Dissipation and Its Relationship to Low CCN Concentrations [Poster]</i></b> American Meteorology Annual Meeting 2021	Jan. 2021
	<b><i>Effects of Aerosol Concentration on the Dissipation of Arctic Mixed-Phase Clouds [eLightning]</i></b> American Geophysics Union Fall Meeting 2020	Dec. 2020
	<b><i>Effect of Ice Habit on Modeled Predictions of Orographic Precipitation [Poster]</i></b> American Geophysics Union Fall Meeting 2019	Dec. 2019
	<b><i>Effects of Ice Habit on Sierra Nevada Snowfall and Implications for Climate Change [Poster]</i></b> American Geophysics Union Fall Meeting 2018	Dec. 2018
<b>COMPUTER SKILLS</b>	<i>Languages &amp; Software:</i> Python, Julia, MATLAB, Fortran, C <i>Operating Systems:</i> Unix/Linux, MacOS, Windows	
<b>MEMBERSHIPS</b>	American Meteorological Society American Geophysics Unions	
<b>LANGUAGES</b>	English French (Bilingual Fluency) German (2 years of courses) Russian (1 semester of courses)	
<b>REFERENCES</b>	Available upon request	