

**Lucas J. Sterzinger**  
Curriculum Vitae

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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	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
WORK EXPERIENCE	<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>	
PUBLICATIONS	<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><i>The Effects of Ice Habit on Orographic Snowfall</i></b> Research Paper - In Preparation	2020 ( <i>Anticipated</i> )
	<b><i>Effect of Ice Habit on Modeled Predictions of Orographic Precipitation [Poster]</i></b>	Dec. 2019

American Geophysics Union Fall Meeting 2019

***Effects of Ice Habit on Sierra Nevada Snowfall  
and Implications for Climate Change [Poster]***

Dec. 2018

American Geophysics Union Fall Meeting 2018

***Models in the Cloud: A Cost Exploration  
of Cloud Computing for the Atmospheric Sciences***

Nov. 2017

News@Unidata Blog

<https://www.unidata.ucar.edu/blogs/news/entry/models-in-the-cloud-a>

**COMPUTER  
SKILLS**

*Languages & Software:* Python, MATLAB, Fortran, C  
*Operating Systems:* Unix/Linux, MacOS, Windows

**MEMBERSHIPS**

American Meteorological Society  
American Geophysics Unions

**LANGUAGES**

English  
French (Bilingual Fluency)  
German (2 years of courses)  
Russian (1 semester of courses)

**REFERENCES**

Available upon request