

Lucas J. Sterzinger
Curriculum Vitae

Address and Phone Censored for GitHub

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

SERVICE	<i>UC Davis Graduate Student Association</i> <i>General Assembly Representative</i> <i>Elections Committee</i>	2019-Present 2019-2020
	<i>UC Davis Academic Senate</i> <i>Committee on Information Technology</i> <i>Graduate Student Representative</i>	2020-Present
PUBLICATIONS	<i>The Effects of Ice Habit on Orographic Snowfall</i> Research Paper - In Review	2021 (<i>In Review</i>)
	<i>Models in the Cloud: A Cost Exploration of Cloud Computing for the Atmospheric Sciences</i> News@Unidata Blog https://www.unidata.ucar.edu/blogs/news/entry/models-in-the-cloud-a	Nov. 2017
CONFERENCES	<i>Arctic Mixed-Phase Cloud Dissipation and Its Relationship to Low CCN Concentrations [Poster]</i> American Meteorology Annual Meeting 2021	Jan. 2021
	<i>Effects of Aerosol Concentration on the Dissipation of Arctic Mixed-Phase Clouds [eLightning]</i> American Geophysics Union Fall Meeting 2020	Dec. 2020
	<i>Effect of Ice Habit on Modeled Predictions of Orographic Precipitation [Poster]</i> American Geophysics Union Fall Meeting 2019	Dec. 2019
	<i>Effects of Ice Habit on Sierra Nevada Snowfall and Implications for Climate Change [Poster]</i> American Geophysics Union Fall Meeting 2018	Dec. 2018
COMPUTER SKILLS	<i>Languages & Software:</i> Python, Julia, MATLAB, Fortran, C <i>Operating Systems:</i> 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	