

Charlotte Lunday

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EDUCATION

University of Oklahoma (OU), Norman, OK Anticipated Graduation May 2013
Bachelor of Science in Meteorology, Economics Minor, *Magna Cum Laude*, GPA: 3.60

HONORS

- National Oceanic and Atmospheric Administration (NOAA) Ernest F. Hollings Scholar
- OU School of Meteorology Non-Resident Scholarship
- Sidney and Mollie Lipshy Scholarship
- OU Leadership Scholars Program
- OU Honors Scholarship
- Dean's and President's Honor Roll

PROFESSIONAL EXPERIENCE

Oklahoma Climatological Survey (OCS), Norman, OK August 2010 – Present

Undergraduate Student Assistant

- Edit monthly newsletter, coordinate meetings, and manage website resources.
- Designed and conducted pilot study of public perceptions of winter storm management in Oklahoma **Results:** Evidence suggests Oklahomans would accept tax increase for better storm management; scheduled oral presentation at American Meteorological Society (AMS) Annual Meeting 1/8/13.
- Evaluated effectiveness of regional climate model precipitation data in comparison to county-level observations in Oklahoma **Results:** Oklahoma convective precipitation not captured well by regional models; poster presentation at Oklahoma Research Day 11/4/11; poster presentation at AMS Annual Meeting 1/8/13; paper in-progress.

West Nile Virus Research Project

August 2012 – Present

Investigate climate signatures correlating to and aiding in prediction of West Nile Virus outbreaks in the United States **Goal:** Develop regional predictive index of West Nile Virus over course of 2012-2013 academic year.

Center for the Creation of Economic Wealth (CCEW), Norman, OK

August 2012 – December 2012

Intern (8/12 – 12/12)

Collaborate with student team to develop business plan for joint venture eye institute in Sichuan, China **Results:** Facilitated initial negotiations between Oklahoma-based eye institute and Chinese public hospital; develop business plan to capture \$53 million market in Chengdu, Sichuan in addition to market currently served by partner hospital

Consortium for Climate Risk in the Urban Northeast (CCRUN), New York, NY

May 2012 – August 2012

Summer Intern

Wrote computer code that collects and statistically analyzes urban, neighborhood-level meteorological environment **Result:** Code will be adapted to map high risk neighborhoods for heat waves and advise New York hospitals on heat emergency response policies.

Carl Albert Research Fellowship

Conducted research with political science professor, Dr. Carol Silva about risk perception as it relates to food science and policy **Result:** Presented research at OU Undergraduate Research Day 3/27/10 and 3/3/11.

CAMPUS ACTIVITIES

Oklahoma Weather Lab, President 2012-2013; Vice President 2011-2012

- Lead executive team to organize 17 weekly weather forecast shifts that forecast for Oklahoma and Key West Florida, make radio broadcast's for Key West's Island 107 FM radio. <owl.ou.edu>
- Organize monthly meetings for 100 students with professional speakers.
- Helped establish 2 weekly shifts utilizing multi-media to publicize forecasts on YouTube, Facebook, and Twitter.
- Conceptualized, produced iTunes U special interest podcasts that are one of OU's highest ranked podcasts, with first episode receiving more than 250 downloads per week.

OU's Women's Outreach Center, Volunteer 2011-2012

Raise awareness of on-campus resources for women, wage disparity, and breast cancer.

OU's Largest Co-ed Service Fraternity, 2008-2010

Multiple committee-level leadership positions for service projects.

OU Daily, Staff Writer Fall 2008, Fall 2009