

Christopher A. Redmond

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- Education:** **Ohio University**, Athens, OH
Bachelor of Science in Meteorology with Geography Emphasis, March 2011
Minor: Physics, Computer Science
- Work Experience:** **Ohio University's Scalia Laboratory**, Athens, OH
Forecaster/Webmaster, 9/08 - Current
Teacher Assistant for Synoptic Meteorology, ran WRF model, and created seasonal forecasts.
Responsible for weather forecasts to the public in Southeast Ohio on website and phone.
Developing GEMPAK displays of global models and assisted in the redesign of Scalia's website.
- Ohio University, Department of Geography**, Athens, OH
Web Designer/Web-Mapping Coder, 11/10 - Current
Designed website for Nat. Science Foundation's Local Knowledge & Climate Change Adaptation Project.
Formating and producing a user interactive mapping webpage with GIS query capabilities.
- FirstEnergy Corp**, Akron, OH
Environmental Intern, 7/22/10-8/31/10, 11/30/09-12/30/09, 11/24/08-12/19/08
Used GEMPAK to developed forecast model tornado parameters and prediction displays.
Wrote shell scripts to analyze & interpret severe wind, ice, & snow events in FirstEnergy territory.
Ran AERMOD/AERMET air quality model to analyze pollution distribution of power plants.
Presented work to important decision makers and meteorologists of FirstEnergy for future use.
- Computer Proficiency:** C++; C; **GEMPAK**, **WRF** model in a **LINUX** platform; **AERMOD** air quality model; Created **HTML**, **PHP**, and **Javascript** webpages; Established **Lightning/2000** for the school lab; Used **WxView 32** to create monthly/daily weather summaries for analysis; Maintained a **1-Wire** and **WRL Series**, **Texas Instruments Weather Station**; **RunTime Pro** weather station display.
- Presentations:** **"Ohio University 2010 Meteorological Symposium"** Event Facilitator, March 6, 2010
"The relationship between lightning and hail events in Ohio during June 2008 based on Lightning/2000 software" poster at 90th American Meteorological Society Meeting - Atlanta, GA on January 20, 2010
"Making a 24 and 48 Hour Forecast" to Intro Meteorology Class on February 23, 2009
"February 11th 2009 Ohio & Kentucky Storm Chase" to Synoptic Class on February 12, 2009
"Lightning/2000 and Its Uses" & **"Tennessee Destruction in the Feb 5-6 Tornado Outbreak"** to Northeast Ohio Chapter AMS on June 21, 2008
- Certifications & Awards:** **Scalia Laboratory Outstanding Public Service Award** May 2009, May 2010
National Weather Service Storm Spotter since 2003
- Memberships:** **Ohio University Meteorology Club/AMS Student Chapter** since 2005 (**President** 2009/2010)
American Meteorological Society (AMS) since 2007
National Weather Association since 2006
Northeast Ohio Chapter AMS (NEOCAMS) since 2007
- Seminars Attended:** **American Meteorological Society Annual Meeting** 2008-2010, **Student Volunteer** 2011
Ohio University 2010 Meteorological Symposium 2010
Ohio Severe Weather Symposium 2006-2009
- Courses Completed:** Introduction, Observations, Practicum, Synoptic & Dynamic Meteorology; Intro to & Advanced GIS; Computer Programming in C, C++, C Data Structures; Vector Analysis; Differential Equations; Thermodynamics; Public Speaking; Completed Mesoscale Meteorology: A Primer for Forecasters Module & Skew-T Mastery on COMET's MetEd site; VISIT's Intro to Satellite Meteorology & TROWAL Identification; Wind Energy

Transcripts and References Available Upon Request