

Owen Shieh

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Education: **M.S. in Meteorology, expected May 2009: University of Oklahoma – Norman, Oklahoma**
Thesis Research: Synoptic effects on tornadogenesis and associated mesoscale convective features in landfalling tropical cyclones.

B.S. in Atmospheric Science, May 2007: Cornell University – Ithaca, New York
Magna cum Laude with Distinction in Research Major GPA: 3.94 Cumulative GPA: 3.78

Awards: AMS Father James B. Macelwane Annual Award (2007) • AMS/Industry Graduate Fellowship (2007-2008) • NOAA Ernest F. Hollings Scholar (2005-2007) • AMS Undergraduate Scholarship – The Weather Channel’s John R. Hope Scholarship (2006-2007) • AMS/Industry Minority Scholarship (2003-2004) • National Weather Association David Sankey Minority Scholarship in Meteorology (2004) • Naval Weather Service Association Scholarship (2003)

Experience: **Intern – National Weather Service, WFO Binghamton, New York (Summer 2007)**
Wrote, prepared, and issued standard NWS products (ZFPs, AFDs, TAFs). Worked radar shift during severe weather staffing situations. Gave shift change briefings. Completed intern training drills.

Undergraduate Honors Thesis Research (2004-2007)
Investigated local minimum of tropical cyclogenesis in eastern Caribbean Sea. Analyzed wind data from NCEP Reanalysis and conducted statistical tests on observed and climatological values to identify pre-existing low-level divergence as primary factor. Presented at the 2007 and 2008 American Meteorological Society Annual Meetings.

Research Assistant – National Severe Storms Laboratory (Summer 2006)
Assimilated 2003-2006 rain gauge data for use in the lab’s Tar River Basin project of North Carolina (Coastal and Inland and Flood Observation and Warning Project). Evaluated biases in the lab’s Quantitative Precipitation Estimate products through a case study. Presented the study at NOAA Hollings Scholars conference in Silver Spring, MD.

Teaching Assistant (TA) – Cornell Department of Earth and Atmospheric Sciences (Fall 2006, Spring 2007)
Fall 2006 – Served as weather analysis lab instructor. Spring 2007 – Served as Atmospheric Dynamics TA.

Meteorology Intern for the Expert Team – The Weather Channel (Summer 2005)
Forecasted tropical cyclone track and intensity under the guidance of Dr. Steve Lyons. Assisted with hurricane operations. Compiled tropical meteorology statistics for Tropical Updates. Developed a tropical weather forecasting webpage. Created an online severe weather photo glossary for Dr. Greg Forbes.

Lead Forecaster – Cornell Weatherphone (2005-2007)
Prepared forecasts, including synopsis, for the Tompkins County community and recorded to Cornell weather hotline. Served as lead weather columnist and forecaster for the Cornell Daily Sun, the primary campus newspaper.

Cornell Chapter of the American Meteorological Society (2003-2007)
Co-President (2006-2007) and Conference Chair (2005-2006). Organized/supervised weather safety presentation at 2004 Ithaca Safety Fair. Participated in local and national meteorology conferences.

Communications Assistant – National Weather Service, WFO Melbourne, Florida (2002-2003)
Solicited damage reports from law enforcement and SKYWARN spotters. Called in to assist with warning coordination during severe weather events. Analyzed radar and surface data. Compiled post-storm damage reports. Gained operational meteorology experience and familiarity with AWIPS software.

Leadership: **Cornell University Big Red Marching Band (2003-2006)**
2005-2006 Show Committee Chair (Assistant Conductor) • 2004 Historian • 2003-2004 Assistant Rank Leader
Eagle Scout (awarded 7/28/03): Troop Instructor • Librarian • Historian • Assistant Patrol Leader
Senior Class President (High School Class of 2003)
2002 United Nations Leadership Pilgrimage: selected to represent the youth of Florida and the United States
Alpha Phi Omega – National Service Fraternity (2004): organized weather safety booth at local Safety Fair

Other Skills: **Webmaster:** knowledge of XHTML, PHP, CSS • maintained 3 websites
Entrepreneur: *The CP Bog* – founder and owner of successful online carnivorous plant nursery (www.cpbog.com)
Pianist: award-winning classical, concert pianist at local, county, and state levels in Florida; 17 yrs. experience