

Kevin Yim

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Education

Bachelor of Science in Atmospheric Sciences
University of Illinois at Urbana-Champaign (2008 – 2012)

Research Experience

Undergraduate Research Assistant *January 2012 – May 2012*
Under the guidance of Professor Somnath Baidya Roy, I analyzed NASA MERRA data to study the diurnal cycles of wind and solar energy. This research was presented at the School of Earth Society and Environment's Annual Research Review in April 2012 and was awarded third place in the undergraduate poster category.

Undergraduate Teaching Assistant *April 2011 – July 2011*
Under the guidance of Professor Atul Jain, I assisted in the development of ESE 497. One of my primary responsibilities was to coordinate with the Department of Online and Continuing Education to make this course accessible to students with disabilities.

Undergraduate Research Assistant *August 2010 – December 2010*
Under the direction of Professor Robert Rauber, I led a team of undergraduates on a short-term field campaign to study clear air turbulence downstream of the Twin Groves Wind Farms in Central Illinois using the mobile Doppler on Wheels (DOW7) radar. We used Bragg Scattering signal to analyze boundary layer disturbances due to the wind turbines.

Course Research Projects

- Coordinated with the local NWS office to upgrade the campus emergency services to be "Storm Ready".
- Developed a decision support system for local farmers in central Illinois to inform them of weather induced changes in the price of their commodities (i.e., corn, soybeans, etc.).

Work Experience

Cook County College Teachers Union Local 1600 – Intern *April 2013 – May 2013*
• Worked on various reports dealing with union representation and fiscal data.

University of Illinois at Chicago Police Dept. – Student Employee *Summers of 2009 – 2011*
• Designed and maintained a crime mapping system using the Google Maps API. (<http://tinyurl.com/7w9hwdq>)
• Processed and filed police reports using the department's proprietary software.

The Point – Student Tutor *August 2007 – May 2008*
• Volunteered as a student tutor in English and Math for one hour on a daily basis at Niles North High School's academic literacy center.

Niles North High School – Student Employee *June 2007 – August 2007*
• Worked on school renovation drawings using AutoCAD.

Skokie Hospital – Front Desk Attendant *November 2006 – April 2008*
• Greeted and assisted guests in person and via telephone and transported patients on a volunteer basis.

Abilities and Skills

MATLAB, HTML, LaTeX, Adobe Creative Suite, AutoCAD, Microsoft Office, Windows, Mac OSX, Google Maps API, GARP/GEMPACK (weather model analysis software), Soloii and GR2Analyst (radar analysis software), Fluent in Korean and working knowledge of Spanish

References

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