

## Cegeon J. Chan

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### Experience

**First Wind Energy, LLC** Boston, MA 2009 - present  
Research Scientist. Dept. of Wind Resources

- Developed 5 state-of-the-art algorithms for in-house wind validation program
- Created and modeled new wind maps
- Communicated financial projections with bankers/investors
- Managed and devised efficiency at operating wind farms

### Skills

MatLab, GIS, WindPro, HTML, Fortran, Python, C, GrADS, Linux and PC Spreadsheet

### Education

**Massachusetts Institute of Technology** Cambridge, MA 2003 – 2009  
Ph. D. Dept. of Earth, Atmospheric and Planetary Sciences  
Thesis: Stratospheric Influences on the Tropospheric Climate and Weather.

**Lyndon State College** Lyndonville, VT 1999 – 2003  
B.S. Meteorology, B.S. Mathematics, Cum Laude.

### Other Experience

**Massachusetts Institute of Technology** Cambridge, MA 2003 – 2009  
Research Assistant. Dept. of Earth, Atmospheric and Planetary Sciences.

- Designed and implemented changes in numerical model to isolate stratospheric impacts on the tropospheric wind circulation.
- Developed statistical method to simplify climate change predictions.

**Massachusetts Institute of Technology** Cambridge, MA 2005 – 2008  
Teaching Assistant. Dept. of Earth, Atmospheric and Planetary Sciences.

- Organized and led 30+ lab experiments in three separate courses; Developed visualizations to increase depth of learning.
- Created problem sets and taught current events segment.

**Vermont News 7** Lyndonville, VT 2002 – 2003  
On-air TV Meteorologist

- Designed maps. Created new animations. Performed twice-daily live newscasts.

**WSI, Corporation** Andover, MA 2001 – 2002  
Operational Meteorologist

- Compiled and prioritized weather data. Generated graphics. Communicated with aviation and private sector clients.

### Leadership

**MIT Dept. of Residential Life** Cambridge, MA 2007 – 2009  
Graduate Tutor.

- Established and maintained a safe, supporting and caring community for a 45 resident floor
- Led to 18% increase in floor retention.

### Awards / Activities

NASA Earth System Science Fellowship (2003), Gil Ford Award for Meteorology (2003). Weather Columnist – The Tech (2003 – present), Officer – Dept. Graduate Student Council (2004 – 2007), Big Brothers Big Sisters Mentor (2006 – 2008), running, hiking, tennis, badminton, volleyball, bridge.

**Publications** 2 first author (refereed), 11 conference presentations. A detailed list is available upon request.