

## David Margolin

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### METEOROLOGIST/ANALYST

Accomplished Meteorologist with extensive experience in building and managing complex and diverse industry teams with universities. Adept at continuously providing updated weather information to commodity sensitive and risk management focused clients for the purpose of managing the impact of weather on client businesses. Proficient at analyzing and presenting complex data using expert written and verbal communication skills. Core competencies include:

- Weather Forecasting
- Climate and Meteorology
- Commodity Markets
- Reports and Graphical Products
- Data and Statistical Analysis
- Coding
- Communication / Presentation Skills
- Marketing/Sales

### TECHNICAL SKILLS

Python, MATLAB, HTML, JavaScript, PHP, CSS, and MySQL

### EXPERIENCE

**Rutgers University, New Brunswick, NJ** **2019**  
**Part-time Lecturer – Special Topics: Research Design for Industry**

The course provides instruction and experiences from industry experts in conjunction with small applied research exercises designed to simulate the experience industry and help develop applied research and project management skills sets. Significant classroom time is dedicated to discussing methods, interpreting results, and debating conclusions. The class includes guest speakers from relevant weather impacted industries and the Rutgers Business School.

- Developed a Subseasonal Forecast Contest for the purpose of bridging the gap in university and industry.
- Creating a new mentorship platform (“Knowledge Exchange”) with the goal to maximize the learning potential of every student.

**Citadel LLC, Chicago, IL** **2016 – 2018; 2004 - 2011**  
**Manager – Weather Research and Forecasting Team, Energy Trading**

Direct weather research strategy and teams that produce unique and valuable tropical forcing and bias-corrected model guidance. Responsible for weather operations that included hourly temperature, wind and precipitation products. Help develop and execute weather trading strategies.

- Hired talented and diverse scientists.
- Developed sophisticated weather applications and weather measurement tools.
- Developed and managed a small portfolio of weather-energy trading strategies that resulted in P&L net of 1mm.
- Provided risk assessment for extreme US weather events including heat waves, hurricanes,

and winter storms.

- Provided weather operations support for US and Europe Gas and Power Desks.
  - Studied and interpreted synoptic reports, maps, photographs, and prognostic charts to predict long and short-range weather conditions.
  - Operated computer graphic equipment to produce weather reports and maps for analysis, distribution to users, and for use in televised weather broadcasts.

**Riskpulse / EarthRisk, Austin, TX**

**2011 – 2016**

**Director of Meteorology, Research Team Lead**

Served as Research Team lead on flagship product, TempRisk, and several other research and development collaborations including Model Diagnostics. Directly reported to the CEO and President of the company.

- Led product development, provided guidance on next generation research, setting priorities, and interacting with internal teams as well as external research partners.
- Managed projects and relationships with academic and research meteorologists across several institutions.
- Served as an analyst on the Weather Operations Team and as a Customer Success agent for many Riskpulse products.
- Developed and contributed to customer facing weather reports that leveraged technology and meteorological expertise to assess medium-to-long range risk for extreme weather.

**OTHER RELEVANT EXPERIENCE**

**Senior Meteorologist**, Reliant Resources Inc., Houston, TX

**Forecaster**, AccuWeather, Inc., State College, PA

**Forecaster**, The Weather Channel, Atlanta, GA

**EDUCATION**

**Master of Science – Meteorology**, Florida State University, Tallahassee, FL

**Bachelor of Science – Meteorology**, Plymouth State University, Plymouth, NH

**PROFESSIONAL MEMBERSHIPS**

Chair, AMS Board of Private Sector Meteorologists (BPSM) (2010 – 2014)

Mentor, BPSM Mentorship Program (2010 – 2019)

**PUBLICATIONS**

Schreck, C. J., David Margolin, et al., 2015: Natural Gas Prices and the Extreme Winters of 2011/12 and 2013/14: Causes, Indicators, and Interactions. BAMS.

Schreck, C. J., Jason Cordeira, and David Margolin, 2013: Which MJO Events Affect North American Temperatures. Mon. Wea. Re.