

DAVID G. NOVAK
253 OAKWOOD AVE
STATE COLLEGE, PA 16803
814-867-6901

SUMMARY

To become an active member of the 2007 summer WAS*IS workshop.

EXPERIENCE

AccuWeather Inc., State College, PA Meteorological Programmer / Developer

May 2005 – Present

- ◆ Supervise, maintain and develop ingest and storage systems for meteorological model data using PERL, XML, Java.
- ◆ Work closely with clients to develop custom data solutions to fit their needs.
- ◆ Create custom graphics using ensemble prediction systems to display uncertainty in weather.
- ◆ Consult with current and potential customers on data needs and concerns.
- ◆ Act as meteorological consultant for sales and marketing departments.
- ◆ Maintain and enhance AccuWeather.com Professional – a subscription web site – model data displays and data feeds.
- ◆ Consult, support and develop for AccuWeather.com GISPro – a subscription ArcIMS site – model data display and data feeds.
- ◆ Represent AccuWeather at conferences and workshops.
- ◆ Special Project – part of a team which analyzed and recommended changes to AccuWeather forecast operations.
- ◆ Special Project – member of a continuous improvement team for AccuWeather forecast operations
- ◆ Special Project – maintain and develop intranet for AccuWeather forecast operations center using PERL, HTML, DHTML, CSS.

Meteorologist

May 1996 – May 2005

- ◆ Created weather forecasts using satellite, surface observations, radar, upper air observations and numerical weather models.
- ◆ Developed custom weather forecasts for newspapers, television stations, radio stations, utility companies, transportation companies and AccuWeather.com.
- ◆ Maintained digital forecast database used to create forecasts for customers, AccuWeather.com and other web sites.
- ◆ Created graphical synoptic weather forecast charts for television stations and internet web sites.
- ◆ Designed graphical weather forecasts explaining specific weather events such as severe weather outbreaks, hurricanes and winter storms used by television stations, newspapers and AccuWeather.com.
- ◆ Creation of custom weather forecasts using Adobe Illustrator and Adobe Photoshop.
- ◆ Special Project – created an intranet for display of meteorological data for AccuWeather forecast operations.
- ◆ Special Project – part of a team which developed process and standards for AccuWeather.com weather headlines – news stories explaining and discussing significant weather events.
- ◆ Conducted interviews with newspaper reporters and radio stations on weather events.

Daily Collegian, State College, PA
Student Meteorologist

May 1996 – August 1996

- ◆ Developed daily weather forecasts.

Penn State Campus Weather Service, University Park, PA
Student Meteorologist

August 1995-May 1996

- ◆ Created weather forecasts for radio stations in Pennsylvania.
- ◆ Supervised a Campus Weather Service shift of undergraduate student meteorologists.

EDUCATION

Bachelor of Science, Meteorology, Pennsylvania State University, 1996.

TRAVEL / WORKSHOPS

- ◆ Learning Tree Training – Hands-On Java Programming (2005).
- ◆ National Weather Service National Digital Forecasting Database Workshop, Washington D.C. (2006).
- ◆ Storm-Based Warnings Workshop – Texas A&M University (2006).
- ◆ ESRI International Users Conference, San Diego (2006).

SOFTWARE/PROGRAMMING EXPERIENCE

- ◆ Geographic Information Systems (GIS) software
- ◆ Graphics Software - Adobe Illustrator and Photoshop, GrADS, ArcMap, ArcExplorer
- ◆ Microsoft software - Microsoft Internet Information Server, Windows
- ◆ Operating systems - Linux, VMS
- ◆ Data Formats: GRIB, GRIB2, netCDF, BUFR
- ◆ Internet programming languages - PERL, HTML, DHTML, CSS, JavaScript, ASP, MySQL, Java

INTERESTS

Fly Fishing, hiking, outdoor activities, reading.