

Christina M. Callaway

Staff Meteorologist
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303.487.1139

EDUCATION

B.S. Meteorology, Earth Science
Northland College
Ashland, WI

May 2008

RELATED SKILLS

Meteorological Techniques

- Quality control
- Model configuration
- Data analysis
- GIS analysis of meteorological data
- Interpret & synthesize meteorological data
- Meteorological measurement & analysis

Computer Skills

- ArcView
- MS Word
- Visio
- NCL (NCAR Command Language)
- SPAS (Storm Precipitation Analysis System)
- RoboHelp
- MS Excel
- Adobe Illustrator
- MS Project
- MS Access
- Crystal Reports
- Unidata Local Data Manager (LDM)
- Adobe Illustrator
- ArcInfo
- MS Power Point
- UNIX/LINUX scripting
- HTML

WORK EXPERIENCE

Staff Meteorologist
Metstat, Inc.

Windsor, CO
2009 - Present

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- Performs in-depth storm studies of extreme precipitation events using Storm Precipitation Analysis System (SPAS).
 - Performs meteorological/climatological data acquisition and quality control.

Staff Scientist

National Center for Atmospheric Research (NCAR)/ HE Cramer

Boulder, CO
2005 - 2009

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- Led operational support efforts for a meteorological analysis and forecasting system (4DWX) deployed at seven Army test ranges.
 - Served as a liaison between scientists, software engineers and the end users providing user support and system maintenance.
 - Worked with NCAR scientists and Army forecasters to evaluate MM5/WRF model performance at Army ranges.
 - Investigated real-time operational system failure modes, including data management and interruptions to data flow, communication access to remote computers, and application failures.
 - Developed online technical documentation and web-based training modules for 4DWX forecasters.
 - Translated user feedback into specific objectives to improve future software releases of 4DWX.
 - Worked with NCAR engineers to facilitate 4DWX system installations and upgrades at Army ranges.
 - Provided user testing of 4DWX system prior to release to Army range users, including formal feedback to NCAR developers on usability and reliability aspects of 4DWX applications.
 - Traveled to Army ranges to provide on-site forecaster training and system support.

System Administrator

Intrado, Inc.

Longmont, CO

2001 - 2005

- Created reports using Crystal Reports, SQL, and Oracle to analyze large amounts of data and create metrics used for trend analysis.
- Administered all wireless applications and systems through the coordination of efforts between wireless carriers such as, Cingular, Sprint and Nextel and internal project teams.
- Established user accounts, upgraded and maintained operating systems, installed and maintained software and system hardware.
- Used GIS software (ArcView, ArcInfo) to create geographic boundary spatial data layers and maps.
- Trained internal staff on use of new products and applications.
- Provided technical and troubleshooting support for external customers.

Field Meteorologist

North Dakota Atmospheric Resource Board

Bismarck, ND

2000

- Directed cloud seeding operations for a rain enhancement and hail suppression field project in southwestern North Dakota.
- Operated and interpreted a WSR-74C radar in conjunction with the Thunderstorm Identification, Tracking, Analysis and Nowcasting (TITAN) software package.
- Forecasted short term weather events, monitored current weather and compiled daily weather briefings.
- Supervised four pilots and an intern meteorologist.
- Collected and managed meteorological and hydrological data for research.
- Acted as a point of contact for the National Weather Service and local residents for weather updates during severe weather events.

Forecast Meteorologist

WeatherData, Inc.

Wichita, KS

1999 - 2000

- Analyzed and interpreted radar and satellite imagery, as well as surface and upper air data in order to produce daily customized weather forecasts for clients such as the Los Angeles Times, Union Pacific Railroad, and Toyota.
- Used graphic design programs to display forecasts in a reader-friendly format.
- Administered support during severe weather events.
- Regulated quality control of products and record keeping.

Meteorology Intern

NASA Goddard Space Flight Center

Greenbelt, MD

1997

- Collaborated with a mentor to analyze nine years of data obtained from NOAA-9,-10,-11, and -12 satellites.
- Developed Fortran code to retrieve data and used IDL software to produce and display models in a useable format.
- Performed research and analysis of data.
- Presented findings to a group of NASA scientists at the conclusion of the Summer Institute in Earth Sciences program.