

JOSHUA J. JANS

Motivation: *I am a Graduate Student pursuing a Cross-Disciplinary degree in Atmospheric Sciences and Education. I have a passion for severe weather, emergency management and public safety. I strongly believe in the aims of WAS*IS and am enthusiastically committed to participation.*

Education:

Minnesota State University, Mankato Mankato, MN.

2005 – Present

M.S. in Cross Disciplinary Studies with concentrations in Atmospheric Sciences, Experiential and Technology Guided Teaching.
Cumulative GPA: 4.0

2002 – 2004

B.S. in Geography with concentration in Atmospheric Sciences
Cumulative GPA: 3.61 Magna Cum Laude

Bethany Lutheran College Mankato, MN.

1999-2001

Associate Degree – Liberal Arts
Cumulative GPA: 3.72

Professional Experience:

WALTER: (Weather Analysis Laboratory for Teaching and Educational Resources), Mankato, MN.

Laboratory Director

2003 – Present

Implement and coordinate technology services and projects supervising a staff of four students. WALTER is a state-of-the-science weather facility serving the educational needs of the Atmospheric Sciences program at Minnesota State University together with a large out-reach program to the public of southern Minnesota.

Windstorm Consulting, Mankato, MN.

Owner/President

2001 – Present

Consulting firm providing computer services, web design, and videography/digital photography .

Orbitz.com/E-Travel Experts, Chicago, IL - Mankato, MN.

Revenue Protection Manager

2001 - 2002

Implemented training and organizational structure for Revenue Protection Department with a staff of 10. Responsibilities included identifying stolen credit card transactions - a revenue transfer of \$1.5 million and over \$700,000 recovered online in a 9-month period.

Technology Skills:

Computer Experience

Windows 9x, NT, 2000, XP, Small Business Server, Apple Hardware, MacOS, Hardware/Software Installation & Configuration, Adobe CS Suite (Acrobat, Photoshop, GoLive, Illustrator, InDesign) Microsoft Office (Word, Excel, PowerPoint, Access, Outlook), Dreamweaver, FrontPage, I-Work (Keynote, Pages,) I-Life Suite (I-Photo, I-Movie, I-DVD, I-Tunes) Digital Photography & Digital Videography, CRM Tools, Mobile Computing, Cellular, Bluetooth, Wi-Fi, XM Satellite Technology

Meteorology Specific

Environmental Work Bench (EWB), NVG Megaview Satellite Software Suite, Meteorlogix Software Suite, WeatherTAP GIS, Weatherview 32, Digital Atmosphere Workstation, Mobile Threat Net, RAOB, IPS-LEADS, ArcView GIS, Weatherlink.

Related Experiences:

- **MESO: (Multi-community Environmental Storm Observatory)** 2000 - Present
 - Storm chasing - applied to research, education, and public safety
 - Board of Directors, Secretary, and Lead Forecaster
- **MSIA: (Minnesota Storm Intercept Association)** 2002 - Present
 - Storm chasing - applied to research, out-reach education, and public safety
 - KMSU Radio – Weather from WALTER – storm analysis and warnings.
 - President, Webmaster, and Lead Forecaster
- **Skywarn, 1997 - Present**
 - National Network of Storm Spotters, Emergency Management, and Law Enforcement Officials
- **Regional Science & Engineering Fair, 2005 - Present**
 - Judge at the 54th Annual Junior/Senior High Division Science Fair, Minnesota State University

Conference Presentations:

“Understanding Weather Helps in Storm Chasing – Storm Chasing Helps Understand Weather: A Win-Win Situation” presented at the National Weather Association 9th Annual Severe Storms & Doppler Radar Conference held March 31 – April 2, 2005 in Des Moines, IA.

Publications

“Advances in Technology Give Challenges to Modern Day Storm Chasing” publication submitted for the Symposium on the Challenges of Severe Convective Storms at the 2006 AMS Annual Meeting; January 29 – February 2, 2006, Atlanta, GA.

“Understanding Weather Helps in Storm Chasing – Storm Chasing Helps Understand Weather: A Win-Win Situation” published in the 14th Annual Symposium on Education, 2005 AMS Annual Meeting, January 9 - 13, 2005, San Diego, CA.

Travel and Educational Field Experiences:

IPS MeteoStar, Aurora, CO – a 2-day on-site training on LEADS software (Contact: Dr. Fred Lewis)

FMA Research - Yucca Ridge Field Station, Fort Collins, CO – a research facility into mesospheric lightning (Contact Dr. Walter Lyons)

NCAR and RAF: A general tour of the Mesa labs evaluating their super-computer facilities and a guided workshop-tour of HIAPER at NCAR's Research Aviation Facility. (Contact: Krista Laursen)

NOAA - NWS: Space Weather Facility: A lecture in situ on Space Weather (Contact: Larry Combes)

SPC/NSSL/NWS: Norman OK: An in-depth tour of the facilities (Contact: Dan McCarthy)

U.S Travel:

Over 100,000 Miles of Storm Chasing in Minnesota, South Dakota, North Dakota, Nebraska, Iowa, Missouri, Kansas, Oklahoma, Colorado, Texas, New Mexico, Wisconsin, Illinois, Wyoming.

Foreign Travel

A 3-week educational visit to Bogot_ and tours through Colombia, (August, 2005)

Awards & Honors

- **College of Social & Behavioral Science Community Service Award Winner 2005**
 - Recognition for weather forecasting and storm warning services to the community
- **Target All-Around \$1,000 Scholarship Winner 2001**
 - Awarded to students who make a difference by giving time and attention to school and volunteer service
- **National Honor Society Scholarship Winner 2001**
 - Awarded to a student most active in making a difference in their academic work and community involvement
- **The Prudential Spirit of Community Awards Winner 2000**
 - Certificate of Achievement for distinguished achievement in community service

References available upon request.
