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Education:

M.S. Geosciences, *Mississippi State University*

M.S. Atmospheric Science, *Texas Tech University*

B.S. Atmospheric Science, *Purdue University*

Teaching Experience:

Faculty: Geology Department, 2012 - present

El Centro College, Dallas

Earth Science, Natural Disasters, Severe Weather Hazards, Meteorology, Environmental Science

Adjunct Instructor: Physics Department, 2016-present

University of Texas at Dallas

Weather and Climate

Adjunct Instructor: Civil and Environmental Engineering, 2014-present

Southern Methodist University, Dallas

Meteorology

Adjunct Instructor: Geology Department, 2009- 2012

El Centro College, Dallas

Earth Science, Meteorology

Adjunct Instructor: Geology Department, 2008-2009

Richland College, Dallas

Meteorology

Career Experience:

Founder/Owner, 2005 - present

StormQuest Technologies - Radar Software/Web Applications

Meteorologist, Digital Media Coordinator, 2000 - present

WFAA-TV, Dallas

Forensic Meteorologist, 1993 - present
Expert witness in weather-related legal cases

Meteorologist
KAMR-TV, Amarillo

Meteorologist
KVII-TV, Amarillo

Meteorologist
KCBD-TV, Lubbock

Project Forecaster/In-flight Data Collector and Analyst/Radar Operator
HIPLEX Cloud Seeding Operations

Professional Tutor in Mathematics and Atmospheric Science
Texas Tech Athletic Department

Teaching Assistant - Introduction to Meteorology
Texas Tech University

Captain Texas Tech Tornado Intercept Team
Texas Tech University

Co-founder and Captain of Purdue Severe Storm Intercept Program
Purdue University

Publications:

Mesoanalysis of Surface Features Associated with Tornadoes
13th Conference on Severe Local Storms
Tulsa, Oklahoma

Ageostrophic Winds in the Severe Storm Environment
Purdue University
West Lafayette, Indiana

Professional Affiliations:

American Meteorological Society
Phi Beta Kappa, Zeta Chapter Purdue