

Matthew J. Woods

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Education

University of Oklahoma:

Bachelor of Science in Meteorology with minor in Mathematics, May 2019

University of Illinois at Urbana-Champaign

Master of Science in Atmospheric Science, May 2021,
Robert J. Trapp, PhD, "Extreme Tornado Events Under Future
Anthropogenic Climate Change"

Research Experience

M.S. Research; University of Illinois; Fall 2019 – Present:

Under advisor Dr. Robert Trapp, my M.S. research aims to analyze the effects of anthropogenic climate change on extreme tornado events through the use of pseudo global warming methodology and high resolution WRF model simulations.

Field Work

Employed by the Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) to work on the TORUS (Target Observation by Radars and UAS of Supercells) field campaign during the spring of 2019.

Skills

- Experience with multiple programming languages (Python, MATLAB, R)
- OS: Windows and Linux
- Familiar with running WRF model

Awards

- University of Oklahoma Transfer Academic Excellence Scholarship
- University of Oklahoma School of Meteorology scholarship for academic excellence
- 2019 Rex Inman Memorial Meteorology Scholarship

References

Michael Richman; PhD; 5646 National Weather Center, 120 David L Boren Blvd., Norman, OK, 73072; Phone: (405) 325 – 1853; Email: mrichman@ou.edu

Robert J Trapp; PhD; 3062 Natural History Building, 1301 W Green St., Urbana, IL, 61801; Phone: (217) 300 – 0967; Email: jtrapp@illinois.edu