

Kathleen (Katie) Magee

EDUCATION

M.S. Earth Science, University of North Carolina at Charlotte, Class of 2017 (GPA: 4.0/4.0)

Thesis: *An observational study quantifying the distance of supercell-boundary interactions in the Great Plains*

B.S. Meteorology, North Carolina State University, Cum Laude, Class of 2015 (GPA: 3.33/4.0)

PROFESSIONAL EXPERIENCE

University of Alabama at Huntsville, Part-Time Faculty

Spring 2021 – Present

Atmospheric and Earth Science Department

- Course developed: Advanced Forecasting for Decision Support (combined graduate and undergraduate)

National Weather Service, Meteorologist

Winter 2018 – Present

Weather Forecast Office (WFO) Huntsville (HUN) – Huntsville, AL

- Leader of local Severe, Aviation, Numerical Weather Prediction (NWP), and On-Site Decision Support Services (DSS) teams
- Collaborated with University of Alabama at Huntsville (UAH) on their Operational Weather Forecasting (OWF) course, coordinated involvement with NWS HUN staff and helped create, present, and evaluate course material
- Worked and led numerous shifts with significant severe, flooding, and tropical weather impacts
- Led planning and assisted with implementation of the Integrated Warning Team (IWT) workshop in 2021
- Member of the Weather Resilient Tennessee (WRT) sub-regional group
 - Subgroups: Hourly PoP and Science Infusion and Training

National Weather Service, Meteorology Intern

Summer 2017 - Winter 2018

Weather Forecast Office (WFO) Houston-Galveston (HGX) – Dickinson, TX

- Leader of Student Training, Weather Event Simulator (WES), NWP, and co-leader of Aviation teams
- Member of Climate, Hydrology, Outreach, and Web teams
- Worked numerous significant severe, flooding, tropical, and winter events, including Hurricane Harvey; July 4th, 2018; and the George H. Bush Sr. Funeral

National Weather Service, Pathways Student Intern

Fall 2016 – Summer 2017

Meteorological Development Lab – Silver Spring, MD

- Created a new global standard for variable identification and classification
- Worked extensively with the National Blend of Models (NBM) and Model Output Statistics (MOS)
- Worked with Ocean Prediction Center (OPC) to allow NBM 3.0 to be compatible with their software

National Weather Service, Student Intern

Spring 2015

Weather Forecast Office (WFO) Raleigh – Raleigh, NC

Student Intern, AccuWeather Inc.

Summer 2014

State College, PA

GENERAL SKILLS

- Proficient in Microsoft Office, Matlab, Fortran, Bash Shell, CSS, HTML, NMAP2, IDV
- Experienced in Python, JavaScript, PHP, ArcGIS, GEMPAK, NCL, Flowsquare
- Worked extensively with the Weather & Climate Operational Supercomputing System (WCOSS) and Theia

LEADERSHIP EXPERIENCE

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| • Member of the Early Career Leadership Academy | Spring 2020 – Present |
| • Member of the Building Leaders for A Solid Tomorrow 2020 Class | Fall 2019 – Present |
| • Member of the NOAA Women’s Employee Resource Group (ERG) | Summer 2019 – Present |
| • Member of the AMS Weather, Analysis, and Forecasting (WAF) Committee | Winter 2018 – Present |
| • University of North Carolina at Charlotte Teaching Assistant Ambassador | Fall 2016 – Spring 2017 |

SELECTED PRESENTATIONS AND PUBLICATIONS

- **Magee, K. M.**, and C. E. Davenport, 2020: An observational analysis quantifying the distance of supercell-boundary interactions in the Great Plains. *J. Operational Meteor.*, 8 (2), 15-38, doi: <https://doi.org/10.15191/nwajom.2020.0802>
- **Magee, K. M.**, A. Pritchett, M. Amin, 2020: The intersection of historic flooding, winter and severe weather, and decision supporting during February 2019 in the Tennessee Valley. *100th American Meteorological Society Annual Meeting*, Boston, MA, Amer. Meteor. Soc., 2.2, <https://ams.confex.com/ams/2020Annual/meetingapp.cgi/Paper/369866>
- **Magee, K. M.**, A. Ravenscraft, 2020: Encountering sexism in the field: How to maintain composure as an expert while shutting down toxic behavior. *100th American Meteorological Society Annual Meeting*, Boston, MA, Amer. Meteor. Soc., J16.3, <https://ams.confex.com/ams/2020Annual/meetingapp.cgi/Paper/369849>
- Hathaway, N., **K. Magee**, and K. Landry-Guyton, 2017: Harvey... the storm that wouldn't leave. *Texas CoCoRaHS Observer*, Fall 2017, 15-21.
- **Magee, K. M.**, C. E. Davenport, 2017: An observational analysis on quantifying the distance of supercell-boundary interactions in the Great Plains. *17th Conference on Mesoscale Processes*, San Diego, CA, Amer. Meteor. Soc.. P1.38, <https://ams.confex.com/ams/17MESO/webprogram/Paper319834.html>

AWARDS

- 2020 Local Isaac Cline Awards WFO Huntsville: Leadership, Program Management, Meteorology, Equal Opportunity and Diversity Management, and Outreach
- 2020 AMS Special Award: WFO Houston/Galveston
- 2018 National Isaac Cline Award: WFO Houston/Galveston
- 2018 NWA Operational Group Award: NWS WFO Houston
- 1st Place Student Poster Presentation. 17th Conference on Mesoscale Processes, San Diego, CA.

MEMBERSHIPS

- National American Meteorological Society (AMS)
- National Weather Association (NWA)

INTERESTS

- Play piccolo, flute, piano, handbells, and ukulele
- Recreational skydiver