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Education

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| 2018 – present | Ph.D. Candidate, Atmospheric Science | University of Kansas |
| 2017 | M.S., with Honors, Atmospheric Science | University of Kansas |
| 2015 | B.S, Special Distinction, Meteorology with minor in mathematics | University of Oklahoma |

Professional Experience

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| 08/2015 – present | Research Assistant, Department of Geography and Atmospheric Science, University of Kansas, Lawrence, KS |
| 08/2011 – 05/2015 | Student Forecaster, Oklahoma Weather Lab, University of Oklahoma, Norman, OK |
| 06/2013 – 08/2013 | Intern, KWWL Storm Track 7, Waterloo, IA |

Teaching Experience

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|-------------------|---------------------------------------|
| 08/2018 – 12/2018 | ATMO 220 – Severe and Unusual Weather |
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Professional Presentations

- L. A. McMichael**, D. B. Mechem, S. Wang, and Q. Wang, 2017: Exploring Mechanisms Governing Dissipating Coastal Stratocumulus Using Large-Eddy Simulation. *American Meteorological Society's 15th Symposium on the Coastal Environment*. 23-26 January 2017, Seattle, WA. (oral)
- U. Löhnert, S. Crewell, T. Marke, **L. A. McMichael**, K. Sanchez, J. Schween, M. Tuononen, A. Vogelmann, and F. Yang, 2019: Characterizing the Subsiding Shell of Shallow Cumulus with Doppler lidar. *International Symposium on Tropospheric Profiling*. 20-24 May 2019, Toulouse, France. (oral: Löhnert presented)
- D. B. Mechem, V. P. Ghate, **L. A. McMichael**, J. M. Eissner, M. P. Jensen, and S. E. Giangrande, 2019: Characterizing the Impact of Entrainment Rate in Stratocumulus from

ARM Observations and Large-Eddy Simulations. *Joint Atmospheric Radiation Measurement (ARM) User Facility/Atmospheric System Research (ASR) Principal Investigators Meeting*. 10-13 June 2019, Rockville, M.D. (poster: Mechem presented)

L. A. McMichael, D. B. Mechem, F. Yang, and T. Marke, 2019: Evaluation of Subsiding Cloud Shells in Sheared Environments and Associated Impacts on Entrainment/Detrainment. *American Geophysical Union Annual Meeting*. 9-13 December 2019, San Francisco, CA. (poster)

Honors and Awards

2012 – 2015 OU School of Meteorology Academic Scholarship
2018 Outstanding Master's Thesis Award - KU College of Liberal Arts and Sciences

Professional Affiliations

American Meteorological Society
American Geophysical Union
The National Society of Collegiate Scholars

Publications

McMichael, L. A., D. B. Mechem, Q. Wang, S. Wang, Y. L. Kogan, and J. Teixeira, 2019: Assessing the mechanisms governing the daytime evolution of marine stratocumulus using large-eddy simulation. *Quart. J. Roy. Meteor. Soc.*, doi:10.1002/qj.3469.

McMichael, L. A., F. Yang, T. Marke, U. Löhnert, D. B. Mechem, A. M. Vogelmann, K. Sanchez, M. Tuononen, and J. H. Schween, 2020: Characterizing subsiding shells in shallow cumulus using Doppler lidar and large-eddy simulation. *Geophys. Res. Lett.*, doi:10.1029/2020GL089699.

Reviewing

Journal of Atmospheric Science