

**Education**

Ph.D. Atmospheric Science	University of Miami	2018 - Present
B.S. Meteorology Minor: Oceanography; Magna Cum Laude	Texas A&M University	2014 - 2018

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**Scientific Research****Graduate Research Assistant, University of Miami**

- Advisor: Dr. Amy C. Clement
- Focus on internal climate variability, climate mode teleconnections, climate dynamics, and large ensembles

**Undergraduate Research Assistant, Texas A&M University**

- Advisor: Dr. Kenneth P. Bowman
- Focus on NEXRAD radar climatologies and analysis of weekly-cycle precipitation over US

**Publications**

- **Fenske, T.M.** and A. C. Clement. No Internal Connections Detected Between Low Frequency Climate Modes in North Atlantic and North Pacific Basins. *Geophysical Research Letters*. In Review.
- Cooney, J. W., K. P. Bowman, C. R. Homeyer, and **T. M. Fenske**, 2018. Ten-Year Analysis of Tropopause-Overshooting Convection using GridRad Data. *Journal of Geophysical Research: Atmospheres*, **123**, 329-343.

**Presentations**

- **Fenske, T. M.** and A. C. Clement. "Are multidecadal climate modes in the Northern Hemisphere connected?" American Meteorological Society Annual Meeting, Virtual. January 2022. Poster.
  - **Fenske, T. M.** and A. C. Clement. "No Robust Internal Connection between Low-Frequency North Atlantic and North Pacific Climate Patterns." American Meteorological Society Annual Meeting, Virtual. January 2021. Oral.
  - **Fenske, T. M.** and A. C. Clement. "The Relationship Between the Pacific Decadal Oscillation and the Atlantic Multi-Decadal Oscillation." American Meteorological Society Annual Meeting, Boston, MA. January 2020. Oral.
  - **Fenske, T. M.**, B. Toy, D. Koeritzer, D. Grabbs, C. Schwartz, and T. Logan. "Comparing Accuracy of Household Lightning Detectors against the Houston Lightning Mapping Array Network."
    - American Meteorological Society Student Conference; Seattle, WA; January 2017; Poster.
    - Texas Weather Conference; Austin, TX; March 2017; Poster.
  - **Fenske, T. M.**, K. P. Bowman, C. R. Homeyer, and J. W. Cooney. "GridRad: A New High-Resolution Four-Dimensional Gridded Radar Data Set."
    - Gulf Coast Undergraduate Research Symposium, Rice University; Houston, TX; November 2017. Oral.
    - American Meteorological Society Student Conference; Austin, TX; January 2018; Poster.
    - Texas A&M University Student Research Week; College Station, TX; March 2018. Oral.
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**Employment****Tutor, Tutorial Resources**

- Tutored junior-high to high-school students in mathematics and physics; 2019 - Present
- Worked as self-employed tutor prior in mathematics, physics, and chemistry; 2013-2015

**Assistant Director of Recruiting, College of Geosciences**

- Assisted in variety of recruiting activities such as student visits, recruiting events, and resource development; assisted running and organization annual recruiting summer camp; 2015-2018

**Textbook Warehouse Employee, Katy Independent School District**

- Inventoried, organized, and distributed textbooks for local school district; Summers, 2014 - 2015
- High school department lead in Summer 2015

## Teaching

### Teaching Assistant, Introduction to Atmospheric Physics, Fall 2019

- Graduate level course for 1st-year Ph.D. students; Taught by Professor Paquita Zuidema

### Teaching Assistant, Introduction to Atmospheric Dynamics, Spring 2020

- Undergraduate level course for 3rd-year students; Taught by Professor Dave Nolan
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## Leadership and Service

### Graduate

- American Meteorological Society Student Conference Planning Committee; Co-Chair of 2021 & 2022 meetings. Organized annual student conference featuring ~100 speakers and ~800 student attendees.
- 'Canes on 'Canes Hurricane Outreach; Member, 2018 - Present.
- CaneContacts New Student Program; Member, 2019 - Present.
- New Student Professional Development Program; Member/Organizer, 2019 - 2021.
- Graduate Student Seminar Judging Committee; Member, 2018 - Present.
- RSMAS Soccer Club; Secretary, 2018 - 2019. Vice President, 2019 - Present.

### Undergraduate

- Texas A&M Student Chapter of the American Meteorological Society; Member, 2014 - 2018.
  - Texas Aggie Storm Chasers; Member, 2014 - 2018. Team Leader, 2015 - 2018. Coordinator, 2017 - 2018.
  - Student Operated Upper-Air Program; Member, 2014 - 2018.
  - Undergraduate Recruitment Team; Lead Student Recruiter, 2015 - 2018.
  - GeoX: Texas A&M Geosciences Recruiting Summer Camp; Attendee, 2013; Counselor, 2015 - 2018; Lead Counselor and Co-Coordinator, 2016 - 2018.
  - Student Experiences Abroad in Meteorology; Barbados, Summer 2016; China, Summer 2017.
  - Undergraduate Leadership Workshop; Summer 2017.
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## Honors, Awards, and Achievements

### Graduate

- American Meteorological Society Graduate Fellowship; Received in 2018; Duration: 2018 - 2019.
- University of Miami Fellowship; Received in 2018; Duration: 2021 - 2023.

### Undergraduate

- College of Geosciences Outstanding Student Award; Received in 2018.
  - College of Geosciences Medallion Scholar, Gold; Received in 2018.
  - Student Employee of the Year Nominee; Received in 2018.
  - Houston Livestock Show and Rodeo Metropolitan Scholarship; Received in 2014; Duration: 2014 - 2018.
  - American Meteorological Society Freshman Scholarship; Received in 2014; Duration: 2014 - 2016.
  - Dean's List: Fall 2014, Fall 2015, Spring 2016.
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## Society Memberships

- American Meteorological Society; Student Member; 2014 - Present.
- American Geophysical Union; Student Member; 2017 - Present.
- National Weather Association; Student Member; 2018 - 2019.
- American Association for the Advancement of Society; Student Member; 2018 - 2019.