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Graduate Research Assistant, Ph.D. Candidate  
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- EDUCATION**
- Ph.D.*, Astrophysics Aug 2018 – Present  
Arizona State University, Tempe, AZ
- M.S.*, Physics May 2018  
Texas A&M University–Commerce, Commerce, TX
- B.A.*, Physics May 2015  
Saint Anselm College, Manchester, NH
- PUBLICATIONS**
2. **Dupuis, C. M.**, Borthakur, S., Padave, M., Hansung G. *A Kinematic Comparison of the Stars, Disk, and CGM Gas of NGC 99* (In prep for submission to ApJ)
  1. **Dupuis, C. M.**, Borthakur, S., Padave, M., Jansen, R. A., Alexandroff, R. M., & Heckman, T. M. *Discovery of a Low-redshift Damped Ly $\alpha$  System in a Foreground Extended Disk Using a Starburst Galaxy Background Illuminator* (2021), ApJ, 907, 103
- OBSERVING TIME AWARDS**
4. **Dupuis, C. M.**, Borthakur, S. *Connecting the Kinematics of the Circumgalactic Medium to the Stellar Disk of Galaxies Using H $\alpha$  Rotation Curves*, MMT Observatory and Bok Telescope, 2021A, 7 nights
  3. **Dupuis, C. M.**, Borthakur, S. *Connecting CGM absorbers to the disks of five low-redshift dwarf galaxies via H-alpha rotation curves*, Magellan II (Clay), Dec 2020, 0.5 nights
  2. **Dupuis, C. M.**, Borthakur, S. *Characterizing the First Damped Lyman-alpha System Discovered Using a Star Forming Galaxy as a Background Source*, MMT Observatory, 2020A, 9 hours
  1. **Dupuis, C. M.**, Borthakur, S., Flores, M. *GBT-COS-Dwarfs: Connecting the Circumgalactic Medium to the HI Disks in Dwarf Galaxies*, Green Bank Telescope (GBT), 2019B, 56 hours
- PRESENTATION EXPERIENCE**
- Talks**
5. **Dupuis, C. M.**, *A Low-redshift Damped Lyman-alpha System Discovered Using a Star-forming Galaxy Background Source*, UC Santa Cruz CGI Seminar, Feb 2021
  4. **Dupuis, C. M.**, *A Low-redshift Damped Lyman-alpha System Discovered Using a Star-forming Galaxy Background Source*, University of Washington Astro Lunch, Feb 2021
  3. **Dupuis, C. M.**, Williams, K. A. *A Search for Variability in C-Rich DQ White Dwarfs*, Texas A&M University–Commerce Annual Research Symposium, Apr 2018
  2. **Dupuis, C. M.**, Williams, K. A. *A Search for Variability in Warm and Cool DQ White Dwarfs*, Texas A&M Commerce Physics Colloquium, Nov 2017
  1. **Dupuis, C. M.**, Durham, I. T. *Comparison of Spectral Flux Density of Betelgeuse at 6 GHz and 23 GHz*, Astronomical Society of Northern New England, June 2014

## Posters

3. **Dupuis, C. M.**, Borthakur, S., Padave, M., Jansen, R. A., Alexandroff, R. M., & Heckman, T. M. *Discovery of a Low Redshift Damped Lyman-alpha system in the Spectrum of a Star Forming Galaxy*, Giant Magellan Telescope Community Science Meeting #7, Sept 2019
2. **Dupuis, C. M.**, Borthakur, S., Padave, M., Jansen, R. A., Alexandroff, R. M., & Heckman, T. M. *Galaxies in Place of Quasars: Discovery of a Low Redshift Damped Lyman-alpha system in the Spectrum of a Star Forming Galaxy*, American Astronomical Society Meeting #234, id.#203.03, June 2019
1. **Dupuis, C. M.**, Williams, K. A. *A Search for Variability in Warm and Cool C-rich DQ White Dwarfs*, American Astronomical Society Meeting #231, id.#145.01, Jan 2018

## HONORS AND AWARDS

SESE Summer Exploration Graduate Fellowship	May 2020
GMT Community Science Meeting Travel Award	Sept 2019
ASU Graduate College Fellowship	Aug 2019
ASU Graduate and Professional Students Association Travel Award	Apr 2019
Outstanding Graduate Student at Texas A&M University–Commerce	May 2018
Texas Space Grant Fellowship	Sept 2017
Outstanding Graduate Student at Texas A&M University–Commerce	May 2017
Robert J. Goulet Award in Physics and Engineering at Saint Anselm College	May 2015

## TEACHING EXPERIENCE

### Teaching Assistant

- Galaxies and Cosmology I, AST 531, Fall 2021, Arizona State University
- Intro to Stars, Galaxies, and Cosmology, AST 112, Spring 2021, Arizona State University
- College Physics I and II Lab, PHYS 1101L and 1101L, Spring 2017 – Spring 2018, Texas A&M University–Commerce
- Solar System Lab, ASTR 1104, Fall 2016 – Fall 2017, Texas A&M University–Commerce

## OUTREACH

- Teacher of an astronomy and geology course at a local Arizona prison as the astronomy lead of the SESE Prison Education Program, [seseprisoned.weebly.com](http://seseprisoned.weebly.com), Fall 2018 – Present
- Telescope operator volunteer during SESE Open House and ASU Open Door events, Fall 2018 – Present
- Volunteer presenter at the Texas A&M University–Commerce Planetarium, Jan 2017 – May 2018
- Became a member of the American Astronomical Society Astronomy Ambassadors, Jan 2017
- Conducted public outreach events at local elementary and middle schools as part of the Society of Physics Students at Texas A&M University–Commerce, Fall 2016 – Spring 2018

## PROFESSIONAL EXPERIENCE

### DEKA Reserach and Development, Manchester, NH

- Quality Assurance Contractor, May 2018 – Aug 2018
- Quality Assurance Test Engineer, Apr 2014 – Aug 2016
- Quality Assurance Test Engineer Intern, June 2016 – Apr 2014
- Control Systems Engineer Intern, Oct 2011 – Aug 2012