

# Avery J. Schiff | Graduate Student

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## Education

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### University of Colorado Boulder

*Ph.D. in Astrophysical and Planetary Sciences (in progress)*

GPA: 4.0/4.0

**Boulder, CO**

*August 2015–Present*

### Middlebury College

*B.A. in Physics with Honors*

Minor in Computer Science

GPA: 3.83/4.0, *summa cum laude*

**Middlebury, VT**

*September 2011–May 2015*

## Experience

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### Research.....

#### Laboratory for Atmospheric and Space Physics (LASP)

*Advisers: Steven R. Cranmer and Axel Brandenburg*

Research carried out while a graduate student at the University of Colorado

- Coronal heating with MHD wave mode conversion
  - Created poster and paper on simulating inverted temperature loops in the corona with a mixture of Alfvén wave and compressive wave heating.
- Viability of observing exo-CMEs with star shade occulter
- The f-mode as an active region precursor

**Boulder, CO**

*June 2015–Present*

#### Middlebury College

*Adviser: Stephen J. Ratcliff*

Research presented for undergraduate thesis

- Effects of Varying Metallicity in Solar-Like Stars

**Middlebury, VT**

*September 2014–May 2015*

#### Williams College

*Adviser: Jay Pasachoff*

Research Experience for Undergrads (REU) at Williams College

- Occultations by Pluto
  - Presented poster at Division of Planetary Sciences meeting, contributed to poster at AAS meeting and paper published in *The Astronomical Journal*.

**Williamstown, MA**

*June 2014–August 2014*

### Teaching and mentoring.....

#### University of Colorado

*Administrator of outreach/mentoring group CU-STARs*

- Tutored undergraduate students in physics and astronomy courses
- Organized outreach trips in which undergraduate students taught at nearby high schools and middle schools
- Led discussions on difficulties encountered by undergraduate science students, particularly those from historically underrepresented backgrounds

**Boulder, CO**

*July 2016–Present*

#### Middlebury College

*Physics TA, various physics courses*

**Middlebury, VT**

*February 2013–May 2015*

- Graded problem sets
- Ran help sessions

## Service and Outreach

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- Served on Graduate Student Concerns and Curriculum committee, 2015-17
- Hosted open-house nights at Sommers-Bausch Observatory at the University of Colorado several times a year, 2015-2016
- Presented at Fiske Planetarium in Boulder, Colorado as part of the Above & Beyond: Cosmic Conversations series with the talk "The Stories in our Stars."
- Served on National Solar Observatory/University of Colorado joint faculty search committee, 2016

## Papers

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- Schiff, A. J., & Cranmer, S. R. 2016, arXiv:1608.04398
- Pasachoff, J. M., Person, M. J., Bosh, A. S., et al. 2016, AJ, 151, 97

## Posters

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- Schiff, A., & Cranmer, S. R. 2016, AAS/Solar Physics Division Meeting, 47, #3.31
- Pasachoff, J. M., Person, M. J., Bosh, A. S., et al. 2015, American Astronomical Society Meeting Abstracts, 225, 137.15
- Pasachoff, J. M., Schiff, A. R., Seeger, C. H., et al. 2014, AAS/Division for Planetary Sciences Meeting Abstracts, 46, 419.01

## Awards

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- University of Colorado George Ellery Hale Graduate Student Fellowship: August 2015 - present