# Dominick Rowan

*The Ohio State University*

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## EDUCATION

2020 – Present: Ohio State University, PhD in Astronomy

2016 – 2020: Haverford College, Bachelor of Science: Physics & Astronomy

Undergraduate Thesis: *A NICER View of the X-ray Background*

Departmental High Honors

Magna Cum Laude

Fall 2018: Study abroad at University of Edinburgh

## AWARDS & HONORS

- Ohio State University Fellowship
- Louis B. Green Prize in Astronomy: *Awarded in honor of Louis B. Green (1911-1999) a Professor of Astronomy from 1941 to 1976 who inspired generations of students. These prizes are given to the students who go above and beyond in their contributions to the departments as well as showing excellence in research.*
- Inducted into Phi Beta Kappa Honors Society

## PUBLICATIONS

Rowan, D., et al. (2019). *A NICER View of Spectral and Profile Evolution for Three X-ray Emitting Millisecond Pulsars*. Submitted, Astrophysical Journal.

Rowan, D., et al. (2019). *Detections and Constraints on White Dwarf Variability from Time-Series GALEX Observations*. MNRAS (https://ui.adsabs.harvard.edu/abs/2019MNRAS.486.4574R/abstract)

Rowan, D., et al. (2015). *The Lick-Carnegie Exoplanet Survey: HD32963b – A New Jupiter-Analog Orbiting a Sun-like Star*. Astrophysical Journal. (https://ui.adsabs.harvard.edu/abs/2016ApJ...817..104R/abstract)

### Co-Authored Publications:

Tucker, M.A., et al. (2018) *ASASSN-18ey: The Rise of a New Black Hole X-ray Binary*. The Astrophysical Journal Letters. (https://ui.adsabs.harvard.edu/abs/2018ApJ...867L...9T/abstract)

### Classification Reports:

Tucker, M.A., Rowan, D.M., & Shappee, B.J. (2018). SCAT Transient Classification Report for 2018-07-22. Transient Name Server Classification Report. (https://ui.adsabs.harvard.edu/abs/2018TNSCR1016....1T/abstract)

Tucker, M.A., Rowan, D.M., & Shappee, B.J. (2018). SCAT Transient Classification Report for 2018-06-13. Transient Name Server Classification Report. (https://ui.adsabs.harvard.edu/abs/2018TNSCR.814....1T/abstract)

Tucker, M.A., Rowan, D.M., & Shappee, B.J. (2018). SCAT Transient Classification Report for 2018-06-12. Transient Name Server Classification Report. (https://ui.adsabs.harvard.edu/abs/2018TNSCR.805....1T/abstract)

Tucker, M.A., et al. (2018). SCAT Classification of 4 Optical Transients. The Astronomer's Telegram. (https://ui.adsabs.harvard.edu/abs/2018ATel11711....1T/abstract)

## WORK EXPERIENCE

### Thomas Lucas Productions – 2016

Worked as an assistant writer and editor for SpaceRip, a streaming-based production company, during eight-week internship. Wrote and edited a documentary on Solar System formation theory, *The Improbable Rise of Planet Earth*. Wrote several astronomy features for SpaceRip blog on current events.

### Haverford College Public Observing – January 2019 – Present

Working as a leader of the Haverford public observing program this semester. Organize and run 3-4 observatory open-house events per semester for students and the local community and private events for small groups. Lead observations with the 12" and 16" telescopes, run/ science demonstrations, and give astronomy presentations.

## PRESENTATIONS

Poster presentation, American Astronomical Society, 235, Jan 2020. Honolulu, Hawaii. *A NICER View of Spectral and Profile Evolution for Three X-ray Emitting Millisecond Pulsars*

Talk, Haverford College Physics & Astronomy Symposium, Dec 2019. *A NICER View of the X-Ray Background*

Poster presentation, Haverford KINSC Summer Research Symposium, September 2019. *Phase-Resolved Spectra of Millisecond Pulsars with NICER X-ray Observations*

Poster presentation, International Pulsar Timing Array, June 2019. Pune, India. *Phase-Resolved Spectra of Millisecond Pulsars with NICER X-ray Observations*

Poster presentation, American Astronomical Society, 234, Jan 2019. *Pulsating and Eclipsing White Dwarfs Discovered from Time-Series GALEX Observations*

Tallk, University of Hawaii Institute for Astronomy Summer Research Symposium, August 2018. *White Dwarf Variability in GALEX Observations*.

Talk, Keck Northeast Astronomy Consortium, October 2017. *Mapping Faraday Rotation Measures onto High Velocity Cloud H288*

## OUTREACH

Haverford College Public Observing Co-Head, 2019-2020.

> Organized observatory open-house events for the local community and private events for small groups/high schools. Led observations with the 12" and 16" telescopes, ran science demonstrations and gave talks

Ohio State School for the Blind mentorship program, 2020.

## TEACHING EXPERIENCE

Teaching Assistant, Introduction to Astronomy 101. Haverford College, Spring 2020

Developed ‘Startup Guide’ for NICER Timing Group summer students, 2020

## OBSERVING EXPERIENCE

Public Observing facilities: Schmidt-Cassegrain 8”, 12”, and 16” telescopes

Observational Astronomy (ASTR341): Green Bank 20m radio telescope, 40ft radio telescope

University of Hawaii IfA REU: UH 88inch telescope (4 nights)