Dominick Rowan

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EDUCATION

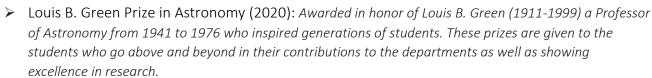


2016 – 2020: Haverford College, Bachelor of Science: Physics & Astronomy Undergraduate Thesis: *A NICER View of the X-ray Background* Departmental High Honors Magna Cum Laude

Fall 2018: Study abroad at University of Edinburgh

AWARDS & HONORS





- Inducted into Phi Beta Kappa Honors Society (2020)
- KINSC Summer Scholar (2017)

PUBLICATIONS



Rowan, D., et al. (2021). *High Tide: A Systematic Search for Ellipsoidal Variables in ASAS-SN*. Submitted to MNRAS. (https://ui.adsabs.harvard.edu/abs/2021arXiv210502242R/abstract)

Rowan, D., et al. (2020). A NICER View of Spectral and Profile Evolution for Three X-ray Emitting Millisecond Pulsars. Astrophysical Journal (https://ui.adsabs.harvard.edu/abs/2020Apj...892..150R/abstract)

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:

Jayasinghe, T., et al. (2021) A unicorn in monoceros: the 3 M_{\odot} dark companion to the bright, nearby red giant V723 Mon is a non-interacting, mass-gap black hole candidate. MNRAS.

(https://ui.adsabs.harvard.edu/abs/2021MNRAS.504.2577J/abstract)

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, 237, Jan 2021. Virtual Meeting. A Systematic Search for Ellipsoidal Variables in ASAS-SN

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*

Talk, 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 $12^{\prime\prime}$ and $16^{\prime\prime}$ telescopes, ran science demonstrations and gave talks

"Zenith" SciAccess Blind & Visually Impaired Astronomy 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)