

Liam Dubai

Graduate Student, The Ohio State University

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Education

PhD in Astronomy 2021 - Present
The Ohio State University, Columbus, OH

B.A. in Physics-Astronomy, B.A. in Music (Performance) 2017 - 2021
Whitman College, Walla Walla, WA
Honors in majors, *summa cum laude*
Undergraduate Thesis: *Late-Onset Circumstellar Medium Interactions are Rare: An Unbiased GALEX View of Type Ia Supernovae*

Awards & Scholarships

Ohio State University Fellowship 2021
Walter Brattain Scholarship 2017
William O. Douglas Valedictorian Scholarship 2017

Research Experience

Institute for Astronomy REU, University of Hawaii Summer 2020
Advisor: Dr. Benjamin J. Shappee

Heliophysics REU, The University of Alabama in Huntsville / Summer 2019
NASA Marshall Space Flight Center
Advisor: Dr. Tyson Littenberg

Earle A. Chiles Research Institute Summer Research Program, Summer 2017
Providence Cancer Institute, Portland, OR
Advisor: Dr. Brady Bernard

Publications

Dubay, Liam O. et al., “Late-Onset Circumstellar Medium Interactions are Rare: An Unbiased *GALEX* View of Type Ia Supernovae” *arXiv e-prints*, arXiv:2104.02086
(<https://ui.adsabs.harvard.edu/abs/2021arXiv210402086D>)

Presentations

Poster: “Late-Onset Circumstellar Medium Interactions are Rare: An Unbiased *GALEX* View of Type Ia Supernovae”

American Astronomical Society 237th Meeting
Virtual Meeting

January 2021

Poster: “Investigating Circumstellar Medium Interaction in Type Ia Supernovae with *GALEX*”
University of Hawaii Summer Undergraduate Research Experience Symposium
Virtual

July 2020

Talk: “Late-Onset CSM Interactions in Type Ia Supernovae are Rare”

Institute for Astronomy REU Talks
Virtual

July 2020

Poster: “Investigating the stationarity of sensing noise in LISA Pathfinder data.”

American Astronomical Society 235th General Meeting
Honolulu, HI

January 2020

Talk: “Characterizing Non-stationary Sensing Noise in LISA Pathfinder Data.”

Center for Space Plasma and Atmospheric Research REU Talks
Huntsville, AL

August 2019

Research Interests

- Observational astronomy of supernovae, active galactic nuclei, and other transients
- Multimessenger astrophysics
- Exoplanets

Work Experience

Teaching Assistant, Astronomy Department

2018-2020

Whitman College, Walla Walla, WA

- Tutored students and supervised labs for Introduction to Astronomy
- Ran planetarium shows for visiting students and families

Director, Sound and Lights

2018-2019

Whitman College, Walla Walla, WA

- Planned audio/visual component of concerts and events on campus
- Coordinated with campus organizations and visiting artists
- Managed and directed a team of 20 student crew members

References

Benjamin J. Shappee

Assistant Professor, Institute for Astronomy, University of Hawai'i
Relationship: Summer Research Advisor
2680 Woodlawn Drive
Honolulu, HI 96822
808-956-0982
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Tyson Littenberg

Research Astrophysicist, NASA Marshall Space Flight Center
Relationship: Summer Research Advisor
Cramer Research Hall/NSSTC 2221
301 Sparkman Drive
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Andrea Dobson

Department Chair and Associate Professor of Astronomy, Whitman College
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Moira Gresham

Associate Professor of Physics, Whitman College
Relationship: Faculty Advisor
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