






# Victoria (Tori) Bonidie

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 toribonidie.github.io/



 astrobites.org/author/vbonidie/

## Education




- 2020 – present  **Ph.D. Candidate** University of Pittsburgh  
*M.S. in Physics awarded December 2021*
- 2016 – 2020  **B.A. Astrophysics** Franklin & Marshall College

## Peer-Reviewed Publications

### First Author

- 1 V. Bonidie, M. C. Johnson, J. Wang, *et al.*, “PEPSI Investigation, Retrieval, and Atlas of Numerous Giant Atmospheres (PIRANGA). IV. High-Resolution Phased-Resolved Spectroscopy of The Ultra Hot Jupiter KELT-20 b,” *arXiv e-prints*, arXiv:2511.09720, arXiv:2511.09720, Nov. 2025.  DOI: 10.48550/arXiv.2511.09720. arXiv: 2511.09720 [astro-ph.EP]. (Accepted for Publication)
- 2 V. Bonidie, T. Court, C. M. Daher, *et al.*, “Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy: Comparison to the Milky Way,” vol. 933, no. 1, L18, p. L18, Jul. 2022.  DOI: 10.3847/2041-8213/ac79af. arXiv: 2204.09750 [astro-ph.GA].

### Contributing Author

- 1 M. Dévora-Pajares, F. J. Pozuelos, A. Thuillier, *et al.*, “The SHERLOCK pipeline: new exoplanet candidates in the WASP-16, HAT-P-27, HAT-P-26, and TOI-2411 systems,” vol. 532, no. 4, pp. 4752–4773, Aug. 2024.  DOI: 10.1093/mnras/stae1740. arXiv: 2407.14602 [astro-ph.EP].
- 2 G. Agazie, M. F. Alam, A. Anumalapudi, *et al.*, “The NANOGrav 15 yr Data Set: Observations and Timing of 68 Millisecond Pulsars,” vol. 951, no. 1, L9, p. L9, Jul. 2023.  DOI: 10.3847/2041-8213/acda9a. arXiv: 2306.16217 [astro-ph.HE].
- 3 S. Hisano, F. Crawford, V. Bonidie, *et al.*, “A Parkes “Murriyang” Search for Pulsars and Fast Transients in the Large Magellanic Cloud,” vol. 928, no. 2, 161, p. 161, Apr. 2022.  DOI: 10.3847/1538-4357/ac5802. arXiv: 2202.11054 [astro-ph.HE].








## Research Presentations

- 2026 (expected)  **Invited Talk**, Colorado College, Colorado Springs, CO, USA
- 2025  **Poster**, Hi-Res in the Desert, Arizona State University, Tempe, AZ, USA
-  **AstroCoffee Talk**, Ohio State University, Columbus, OH, USA (remote)
-  **Invited Talk**, Franklin & Marshall College, Lancaster, PA, USA
-  **Talk**, University of Pittsburgh, Pittsburgh, PA, USA
-  **Poster**, Exoclines Conference, Université de Montreal, Montreal, Canada
- 2024  **Invited Talk**, University of Liège, Liège, Belgium
-  **Poster**, Exoplanets V Conference, Leiden University, Leiden, Netherlands
- 2023  **Poster**, Emerging Researchers in Exoplanet Science Symposium (ERES VIII), Yale, CT, USA
- 2021  **Poster**, SDSS-IV Collaboration Meeting, Virtual
- 2019  **Poster**, 223rd Meeting of the American Astronomical Society (AAS), Seattle, WA, USA




## Outreach & Service

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### Outreach

- 2025- present     **Physicists Coalition for Nuclear Threat Reduction Next Generation Fellow**  
Through this fellowship, I am writing a resource letter commissioned by the American Journal of Physics on the subject *Physics and society: Nuclear arms control*.
- 2024- present     **Astrobites** Author and Science Policy Subcommittee Member
- 2024     **AstroPGH Python Boot Camp** Presenter
-  **Kamin Science Center SciTech Day** Presenter
- 2023, 2025     **Springdale Jr./Sr. High School Career Day** Presenter
- 2023     **Pittsburgh Public Schools** Science Class Presenter
- 2022-present     **Astro on Tap** Presenter



### Service

- 2025- present     **University of Pittsburgh Graduate Workers Union (PGWU)**  
Contract Bargaining Committee Member
- 2024- present     **Physics and Astronomy Equity, Diversity, and Inclusion** Committee Member
- 2023     **Referee** for Astronomy & Astrophysics (A&A)






## Fellowships and Awards

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### Fellowships

- 2023     **Pitt PACC Graduate Fellow**, University of Pittsburgh
-  **Zaccheus Daniels Fellow**, University of Pittsburgh
- 2020     **Whittington Fellow**, University of Pittsburgh
- 2018     **Marshall Fellow**, Franklin & Marshall College



### Awards

- 2025     **Myron P. Garfunkel Excellence in Graduate Student Teaching** University of Pittsburgh
- 2024     **Thomas-Lain Essay Scholarship** University of Pittsburgh
- 2019     **Michael J. Mumma Award**, Franklin & Marshall College
-  **John Kershner Scholar Award**, Franklin & Marshall College
- 2017     **Michael Albert Lewis Memorial Prize in Physics**, Franklin & Marshall College

## Teaching Experience

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### Primary Instructor

- 2026 (expected)     **Introductory Astronomy: Stars, Galaxies, and the Cosmos**
- 2025     **Introductory Physics** for University of Pittsburgh Swanson School of Engineering  
Summer Engineering Academy (SEA)

### Teaching Assistant

- 2020 - Present     TA for Algebra and Calculus Based Physics 1 and Physics 2, Introductory Astrophysics