

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. Anumarlapudi, *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**, Exoclimes Conference, Université de Montréal, Montréal, 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

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 <i>Physics and society: Nuclear arms control</i> . |
| 2024- present | ■ Astrobites Author and Science Policy Subcommittee Member |
| 2024 | ■ AstroPGH Python Boot Camp Presenter |
| 2023, 2025 | ■ Kamin Science Center SciTech Day Presenter |
| 2023 | ■ 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

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

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 |
|----------------|--|