

CONTACT INFORMATION	Center for Astrophysics Harvard & Smithsonian Mail Stop 10, 60 Garden St. Cambridge, MA 02138	✉ kevinortizceballos.com ✉ kortizceballos@cfa.harvard.edu
EDUCATION	PhD in Astronomy & Astrophysics Harvard University, Cambridge, Massachusetts	<i>In progress</i>
	Bachelor of Science in Physics with a second concentration in Philosophy <i>Magna Cum Laude</i> , University of Puerto Rico Río Piedras, San Juan, Puerto Rico	2021
RESEARCH POSITIONS	Graduate Student Researcher Center for Astrophysics Harvard & Smithsonian	Sep 2021 to <i>present</i>
	Radio Astronomy Researcher Planetary Habitability Laboratory, University of Puerto Rico at Arecibo	May 2018 to Sep 2021
	Astronomy Research Intern (Summer) Space Telescope Science Institute	Jun 2020 to Jul 2020
	Undergraduate Researcher (Summer) Banneker Institute, Harvard University	Jun 2019 to Aug 2019
HONORS & AWARDS	Ford Foundation Predoctoral Fellowship NSF Graduate Research Fellowship Barry Goldwater Scholarship USRA Distinguished Undergraduate Scholarship Mellon-Mays Undergraduate Fellowship Puerto Rico Louis Stokes Alliance for Minority Participation Award Puerto Rico Space Grant Consortium NASA Fellowship	2021-2027 2021-2026 2020 2019 2019-2021 2019-2021 2018-2019
RESEARCH INTERESTS	<i>Planetary, Exoplanetary, and Observational Astrophysics.</i> Exoplanet characterization and transmission spectroscopy, radio observations of stars, brown dwarfs, exoplanets and Solar System bodies; and multiwavelength observational astrophysics.	
TELESCOPE TIME	As Principal Investigator, over multiple programs, awarded >60 hours on the Very Large Array, >79 hours on MeerKAT, >12 hours at the Arecibo Observatory, and 3 nights on the MMT.	
TECHNICAL SKILLS	Observational data reduction: Experience with space (JWST NIRSpec) and ground-based (Magellan/IMACS) spectrophotometry for exoplanet transits, and radio observations with the Very Large Array, MeerKAT, Arecibo and the Submillimeter Array. Software: Python, IDL (incl. Arecibo), CASA, JMARS, L ^A T _E X, Adobe Suite.	
UNIVERSITY SERVICE	Social and Rec Committee Member (CfA) Graduate Student Council Representative (Harvard GSAS) Academic Senator for the Faculty of Natural Sciences (UPR) General Student Council Representative (UPR) National Student Confederation Representative (UPR)	2023 to 2026 2023 to 2024 2018 to 2019 2018 to 2019 2018 to 2019
BIOGRAPHICAL INFORMATION	Citizenship: United States of America Languages: Fluent in English and Spanish. Experienced as Spanish-English interpreter.	

TEACHING	Instructor , Taller Futur@ Astrónom@	Summers 2024, 2025, 2026
	Instructor for the Stellar Evolution course for <i>Taller Futur@ Astrónom@</i> at the University of Puerto Rico at Humacao, a NASA-funded intensive summer school for high school students in astronomy and astrophysics.	
	Head Teaching Fellow , Harvard University	2024
	Taught a laboratory section (~15 students) and coordinated the teaching team (5 Teaching Fellows) for GenEd 1070 - Life as a Planetary Phenomenon under Prof. Dimitar Sasselov.	
	Teaching Fellow , Harvard University	2023
Taught a section (~12 students) for GenEd 1112 - Prediction: The Past & Present of the Future under Prof. Alyssa Goodman.		
Observer/Presenter , PHL Outreach Program	2018 to 2021	
Helped bring over 50 students and community members to on-site observations at the Arecibo Observatory, as well as take part in the PHL's outreach and media efforts.		
Teaching Assistant , STEMS Program	2018	
High school algebra tutor and in-classroom teaching assistant as part of the Swearer Tutoring Enrichment in Math and Science (STEMS) Program at Brown University.		

OUTREACH	<i>Volunteer</i> , Popscope Boston Star Parties	2026
	<i>Volunteer</i> , Public Observatory Night (CfA)	2025
	<i>Astronomy Expert</i> , American Farmers Almanac (A360 Media)	2024
	<i>Invited Speaker</i> , Club Astrobosco (IAU OAD program)	2023
	<i>Congressional Visit Day Volunteer</i> , American Astronomical Society	2020
	<i>Government Advocacy & Outreach</i> , Puerto Rico Science Policy Action Network	2019-2021

MANUSCRIPTS &
PUBLICATIONS

As first or second author:

- [4] **Kevin N. Ortiz Ceballos**, Yvette Cendes, and Edo Berger, 2025, "A Radio Search for Star-Planet Interaction in TOI-540 and SPECULOOS-3," *Under review at AJ*, <https://ui.adsabs.harvard.edu/abs/2025arXiv2512168520>.
- [3] Abel Méndez, **Kevin N. Ortiz Ceballos**, Jorge I. Zuluaga, Kelby D. Palencia-Torres, et al., 2024, "Arecibo Wow! II: Revised Properties of the Wow! Signal from Archival Ohio SETI Data," arXiv:2508.10657, <https://ui.adsabs.harvard.edu/abs/2025arXiv250810657M>.
- [2] Abel Méndez, **Kevin N. Ortiz Ceballos**, and Jorge I. Zuluaga, 2024, "Arecibo Wow! I: An Astrophysical Explanation for the Wow! Signal," arXiv:2408.08513, <https://ui.adsabs.harvard.edu/abs/2024arXiv240808513M>.
- [1] **Kevin N. Ortiz Ceballos**, Yvette Cendes, Edo Berger, and Peter K. G. Williams, 2024, "A Volume-Limited Radio Search for Magnetic Activity in 140 Exoplanets with the Very Large Array," *The Astronomical Journal (IOP)* **168**, 127, <https://ui.adsabs.harvard.edu/abs/2024AJ....168..127O>.

As co-author:

- [9] Shreyas Vissapragada, Patrick McCreery, Leonardo A. Dos Santos, Néstor Espinoza, et al., 2024, "A High-Resolution Non-Detection of Escaping Helium in the Ultrahot Neptune LTT 9779b: Evidence for Weakened Evaporation," *The Astrophysical Journal (IOP)* **962**, L19, <https://ui.adsabs.harvard.edu/abs/2024ApJ...962L..19V>.
- [8] Jacob Lustig-Yaeger, Guangwei Fu, E. M. May, **Kevin N. Ortiz Ceballos**, et al., 2023, "A JWST Transmission Spectrum of the Nearby Earth-Sized Exoplanet LHS 475 b," *Nature Astronomy* **7**, 1317–1328, <https://ui.adsabs.harvard.edu/abs/2023NatAs...7.1317L>.

- [7] Chima D. McGruder, Mercedes López-Morales, James Kirk, Benjamin V. Rackham, et al., 2023, “ACCESS, LRG-BEASTS, and MOPSS: Featureless Optical Transmission Spectra of WASP-25b and WASP-124b,” *The Astronomical Journal (IOP)* **166**, 120, <https://ui.adsabs.harvard.edu/abs/2023AJ....166..120M>.
- [6] Sarah E. Moran, Kevin B. Stevenson, David K. Sing, Ryan J. MacDonald, et al., 2023, “High Tide or Riptide on the Cosmic Shoreline? A Water-Rich Atmosphere or Stellar Contamination for the Warm Super-Earth GJ 486b from JWST Observations,” *The Astrophysical Journal (IOP)* **948**, L11, <https://ui.adsabs.harvard.edu/abs/2023ApJ...948L..11M>.
- [5] JWST Transiting Exoplanet Community Early Release Science Team, 2023, “Identification of Carbon Dioxide in an Exoplanet Atmosphere,” *Nature* **614**, 649–652, <https://ui.adsabs.harvard.edu/abs/2023Natur.614..649J>.
- [4] Chima D. McGruder, Mercedes López-Morales, James Kirk, Néstor Espinoza, et al., 2022, “ACCESS: Confirmation of a Clear Atmosphere for WASP-96b and a Comparison of Light Curve Detrending Techniques,” *The Astronomical Journal (IOP)* **164**, 134, <https://ui.adsabs.harvard.edu/abs/2022AJ....164..134M>.
- [3] Natalie H. Allen, Néstor Espinoza, Andrés Jordán, Mercedes López-Morales, et al., 2022, “ACCESS: Tentative Detection of H₂O in the Ground-Based Optical Transmission Spectrum of the Low-Density Hot Saturn HATS-5b,” *The Astronomical Journal (IOP)* **164**, 153, <https://ui.adsabs.harvard.edu/abs/2022AJ....164..153A>.
- [2] Abel Méndez, Edgard G. Rivera-Valentín, Dirk Schulze-Makuch, Justin Filiberto, et al., 2021, “Habitability Models for Astrobiology,” *Astrobiology* **21**, 1017–1027, <https://ui.adsabs.harvard.edu/abs/2021AsBio..21.1017M>.
- [1] Abel Méndez, Edgard G. Rivera-Valentín, Dirk Schulze-Makuch, Justin Filiberto, et al., 2020, “Habitability Models for Planetary Sciences,” submitted as White Paper for the Planetary Science and Astrobiology Decadal Survey 2023 - 2032, <https://ui.adsabs.harvard.edu/abs/2020arXiv200705491M>.