

Thomas A. Callister, III

Thompson Physics Lab
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EMPLOYMENT & EDUCATION

- 2025-present** Assistant Professor of Astronomy
Williams College, Williamstown, MA
- 2022-2025** KICP Fellow & Schmidt AI in Science Postdoctoral Fellow
Kavli Institute for Cosmological Physics
University of Chicago, Chicago, IL
- 2019-2022** Flatiron Research Fellow
Center for Computational Astrophysics
Flatiron Institute, Simons Foundation, New York, NY
- 2014-2019** Ph.D. in Physics
California Institute of Technology, Pasadena, CA
- 2013-2014** M. Phil. in Astronomy
University of Cambridge, Cambridge, U.K.
- 2009-2013** B.A. in Physics and Astronomy
Summa cum laude; Distinction in Physics and Astronomy
Carleton College, Northfield, MN

RESEARCH SUMMARY

- **Gravitational-Wave Astrophysics:** I leverage gravitational waves as tools for observational astronomy and astrophysics, with an emphasis on the following topics:
 - Characterizing compact binary populations and massive stellar evolution
 - Observation of the stochastic gravitational-wave background
 - Tests of cosmology and fundamental physics
- **Astrostatistics & Data Science:** I work to develop and improve statistical methods for gravitational-wave signal characterization, population inference, and survey selection effects, with a focus on non-parametric modeling and machine learning techniques.
- **LIGO-Virgo-KAGRA Collaboration Leadership:** I am an active member and leader within the international LIGO-Virgo-KAGRA (LVK) Collaboration of gravitational-wave experiments. Current/recent activities include the following:
 - Co-chair of LVK group responsible for inference and interpretation of the compact binary population
 - Co-chair of LVK group responsible for modeling and interpretation of the gravitational-wave background
 - Principle data analyst/author of collaboration papers presenting measurements of compact binary demographics (e.g. [ArXiv:2010.14533](#) & [2111.03634](#))

SELECTED PUBLICATIONS

Note: The publications listed below include only those LIGO-Virgo-KAGRA (LVK) Collaboration papers in which I served as a primary analyst or author. I am an author on ~ 200 additional LVK Collaboration papers not shown here.

ADS library with selected publications below: <https://tinyurl.com/callister-selected-pubs>

ADS library with complete publication list: <https://tinyurl.com/callister-complete-pubs>

(★) Indicates papers co-authored with students under my supervision

(✦) Indicates LIGO-Virgo-KAGRA collaboration-authored papers in which I served a lead or primary role

1. *Distinct spin properties and astrophysical origin of low mass binary black holes in gravitational wave data*
E. Flanagan, *et al.* (incl. **T. Callister**)
Submitted to Phys. Rev. Letters. [ArXiv:2607.00565](#)
2. *Transitions in the Mass-ratio and Spin Properties of Binary Black Holes in GWTC-5*
E. Flanagan, *et al.* (incl. **T. Callister**)
Submitted to Astrophys. J. Letters [ArXiv:2606.14472](#)
3. *Signatures of a Subpopulation of Hierarchical Mergers in the GWTC-4 Gravitational-Wave Dataset*
C. Plunkett, S. Vitale, **T. Callister**, M. Zevin
Phys. Rev. Letters, 137, 021404 (2026). [ArXiv:2601.07908](#)
4. *Implications of GW241011 for rotating exotic compact objects*
N. V. Krishnendu, *et al.* (incl. **T. Callister**)
Phys. Rev. Letters, 137, 071402 (2026). [ArXiv:2511.17341](#)
5. *A subpopulation of low-mass, spinning black holes: signatures of dynamical assembly*
H. Tong, **T. Callister**, M. Fishbach *et al.*
Phys. Rev. D, 114, 083007 (2026). [ArXiv:2511.05316](#)
6. *GW241011 and GW241110: Exploring Binary Formation and Fundamental Physics with Asymmetric, High-spin Black Hole Coalescences* ✦
LIGO, Virgo, and KAGRA Collaborations (**Lead Author**)
Astrophys. J. Letters, 993, L21 (2025). [ArXiv:2510.26931](#)
7. *Gravitational-wave constraints on the pair-instability mass gap and nuclear burning in massive stars*
F. Antonini, I. Romero-Shaw, **T. Callister**, *et al.*
Nature Astronomy, 10, 1049 (2026). [ArXiv:2509.04637](#)
8. *Evidence of the pair instability gap in the distribution of black hole masses*
H. Tong, *et al.* (incl. **T. Callister**)
Nature, 652, 874 (2026). [ArXiv:2509.04151](#)
9. *Upper Limits on the Isotropic Gravitational-Wave Background from the first part of LIGO, Virgo, and KAGRA's fourth Observing Run* ✦
LIGO, Virgo, and KAGRA Collaborations (**Writing Team & Core Analyst**)
Phys. Rev. D, 114, 042001 (2026). [ArXiv:2508.20721](#)
10. *GWTC-4.0: Population Properties of Merging Compact Binaries* ✦
LIGO, Virgo, and KAGRA Collaborations (**Core Analyst**)
Astrophys. J. Letters, 1005, L51 (2026) [ArXiv:2508.18083](#)
11. *Compact Binary Coalescence Sensitivity Estimates with Injection Campaigns during the LIGO-Virgo-KAGRA Collaborations' Fourth Observing Run*
R. Essick *et al.* (incl. **T. Callister**)
Phys. Rev. D, 112, 102001 (2025) [ArXiv:2508.10638](#)

12. *Inferring the pair-instability mass gap from gravitational wave data*
F. Antonini, **T. Callister**, F. Dosopoulou, *et al.*
Phys. Rev. D, 112, 063040 (2025). [ArXiv:2506.09154](#)
13. *The Stochastic Siren: Astrophysical Gravitational-Wave Background Measurements of the Hubble Constant*
B. Cousins *et al.* (incl. **T. Callister**)
Phys. Rev. Letters, 136, 101003 (2026). [ArXiv:2503.01997](#)
14. *No evidence that the binary black hole mass distribution evolves with redshift* ★
M. Lalleman, K. Turbang, **T. Callister**, N. van Remortel
Astron. & Astrophys., 698, A85 (2025) [ArXiv:2501.10295](#)
15. *Structure and Skewness of the Effective Inspiral Spin Distribution of Binary Black Hole Mergers*
S. Banagiri, **T. Callister**, C. Adamcewicz, Z. Doctor, V. Kalogera
Astrophys. J., 990, 147 (2025) [ArXiv:2501.06712](#)
16. *Observed Gravitational-Wave Populations*
T. Callister
Encyclopedia of Astrophysics, 1st ed. (editor-in-chief I. Mandel), Elsevier.
[ArXiv:2410.19145](#)
17. *A neural network emulator of the Advanced LIGO and Advanced Virgo selection function*
T. Callister, R. Essick, D. Holz
Phys. Rev. D, 110, 123041 (2024). [ArXiv:2408.16828](#)
18. *A Star Cluster Population of High Mass Black Hole Mergers in Gravitational Wave Data*
F. Antonini, I. Romero-Shaw, **T. Callister**
Phys. Rev. Letters 134, 011401 (2025). [ArXiv:2406.19044](#)
19. *No need to know: astrophysics-free gravitational-wave cosmology* ★
A. Farah, **T. Callister**, J. María Ezquiaga, M. Zevin, D. Holz
Astrophys. J., 978, 153 (2025). [ArXiv:2404.02210](#)
20. *Background information: a study on the sensitivity of astrophysical gravitational-wave background searches*
A. Renzini, **T. Callister**, K. Chatziioannou, W. Farr
Phys. Rev. D 110, 023014 (2024). [ArXiv:2403.14793](#)
21. *Gravitational waves carry information beyond effective spin parameters but it is hard to extract* ★
S. Miller, Z. Koe, **T. Callister**, K. Chatziioannou
Phys. Rev. D 109, 104036 (2024). [ArXiv:2401.05613](#)
22. *A New Probe of Gravitational Parity Violation Through (Non-)Observation of the Stochastic Gravitational-Wave Background.*
T. Callister, L. Jenks, D. Holz, N. Yunes
Phys. Rev. D 111, 044041 (2025). [ArXiv:2312.12532](#)
23. *The metallicity dependence and evolutionary times of merging binary black holes: Combined constraints from individual gravitational-wave detections and the stochastic background.* ★
K. Turbang, M. Lalleman, **T. Callister**, N. van Remortel
Astrophys. J. 967, 142 (2024). [ArXiv:2310.17625](#)
24. *pygwb: A Python-based Library for Gravitational-wave Background Searches*
A. Renzini *et al.* (incl. **T. Callister**)
Astrophys. J. 952, 25 (2023). [ArXiv:2303.15696](#)

25. *A parameter-free tour of the binary black hole population.*
T. Callister, W. Farr
 Phys. Rev. X 14, 021005 (2024). [ArXiv:2302.07289](#)
PRX “Featured in Physics”
26. *The population of merging compact binaries inferred using gravitational waves through GWTC-3* ✚
 LIGO, Virgo, and KAGRA Collaborations (**Writing Team & Core Analyst**)
 Phys. Rev. X 13, 011048 (2023). [ArXiv:2111.03634](#)
27. *No evidence that the majority of black holes in binaries have zero spin* ★
T. Callister, S. Miller, K. Chatziioannou, W. Farr
 Astrophys. J. Letters 937, L13 (2022). [ArXiv:2205.08574](#)
28. *The binary black hole spin distribution likely broadens with redshift* ★
 S. Biscoveanu, **T. Callister**, C. J. Haster, K. Y. Ng, S. Vitale, W. Farr
 Astrophys. J. Letters 932, L19 (2022). [ArXiv:2204.01578](#)
29. *Gravitational-wave geodesy: Defining false alarm probabilities with respect to correlated noise* ★
 K. Janssens, **T. Callister**, N. Christensen, *et al.*
 Phys. Rev. D. 105, 082001 (2022). [ArXiv:2112.03560](#)
30. *The redshift evolution of the binary black hole merger rate: a weighty matter*
 L. van Son, S. de Mink, **T. Callister**, *et al.*
 Astrophys. J. 931, 17 (2022). [ArXiv:2110.01634](#)
31. *LIGO-Virgo correlations between mass ratio and effective inspiral spin: testing the active galactic nuclei channel*
 B. McKernan, K. E. S. Ford, **T. Callister**, *et al.*
 Mon. Not. Roy. Astron. Soc. 514, 3886 (2022). [ArXiv:2107.07551](#)
32. *Who Ordered That? Unequal-mass binary black hole mergers have larger effective spins*
T. Callister, C. J. Haster, K. Y. Ng, S. Vitale, W. Farr
 Astrophys. J. Letters 922, L5 (2021). [ArXiv:2106.00521](#)
33. *Prospects of gravitational-wave detections from common-envelope evolution with LISA*
 M. Renzo, **T. Callister**, K. Chatziioannou, L. A. C. van Son *et al.*
 Astrophys. J. 919, 128 (2021). [ArXiv:2102.00078](#)
34. *State of the field: Binary black hole spins, natal kicks, and prospects for isolated field formation after GWTC-2*
T. Callister, W. M. Farr, M. Renzo
 Astrophys. J. 920, 157 (2021). [ArXiv:2011.09570](#)
35. *A Thesaurus for Common Priors in Gravitational-Wave Astronomy*
T. Callister
 ArXiv Note (2021). [ArXiv:2104.09508](#)
36. *Implications for first-order cosmological phase transitions from the third LIGO-Virgo observing run* ★
 A. Romero, K. Martinovic, **T. Callister**, *et al.*
 Phys. Rev. Letters 126, 151301 (2021). [ArXiv:2102.01714](#)
37. *Upper Limits on the Isotropic Gravitational-Wave Background from Advanced LIGO’s and Advanced Virgo’s Third Observing Run* ✚
 LIGO, Virgo, and KAGRA Collaborations (**Writing Team & Core Analyst**)
 Phys. Rev. D 104, 022004 (2021). [ArXiv:2101.12130](#)
38. *When are LIGO/Virgo’s Big Black-Hole Mergers?*
 M. Fishbach, Z. Doctor, **T. Callister**, *et al.*
 Astrophys. J. 912, 98 (2021). [ArXiv:2101.07699](#)

39. *Joint constraints on the field-cluster mixing fraction, common envelope efficiency, and globular cluster radii from a population of binary hole mergers via deep learning*
K. Wong, K. Breivik, K. Kremer, **T. Callister**
Phys. Rev. D 103, 083021 (2021). [ArXiv:2011.03564](#)
40. *Population Properties of Compact Objects from the Second LIGO-Virgo Gravitational-Wave Transient Catalog* ✚
LIGO Scientific Collaboration and Virgo Collaboration (**Writing Team & Core Analyst**)
Astrophys. J. Letters 913, L7 (2021). [ArXiv:2010.14533](#)
41. *Shouts and Murmurs: Combining Individual Gravitational-Wave Sources with the Stochastic Background to Measure the History of Binary Black Hole Mergers*
T. Callister, M. Fishbach, D. Holz, W. Farr
Astrophys. J. Letters 896, L32 (2020). [ArXiv:2003.12152](#)
42. *The Low Effective Spin of Binary Black Holes and Implications for Individual Gravitational-Wave Events* ★
S. Miller, **T. A. Callister**, W. Farr
Astrophys. J. 895, 128 (2020). [ArXiv:2001.06051](#)
43. *New Limits on the Low-Frequency Radio Transient Sky Using 31 hr of All-Sky Data with the OVRO-LWA*
M. M. Anderson *et al.* (incl. **T. Callister**)
Astrophys. J. 886, 123 (2019). [ArXiv:1911.04591](#)
44. *A First Search for Prompt Radio Emission from a Gravitational-Wave Event*
T. A. Callister, M. M. Anderson, G. Hallinan, *et al.*
Astrophys. J. Letters 877, L39 (2019). [ArXiv:1903.06786](#)
45. *A search for the isotropic stochastic background using data from Advanced LIGO's second observing run* ✚
LIGO Scientific Collaboration and Virgo Collaboration (**Lead authors: A. Matas & T. Callister**)
Phys. Rev. D 100, 061101 (2019). [ArXiv:1903.02886](#)
46. *First Search for a Stochastic Gravitational-Wave Background from Ultralight Bosons*
L. Tsukada, **T. Callister**, A. Matas, P. Meyers
Phys. Rev. D 99, 103015 (2019). [ArXiv:1812.09622](#)
47. *Gravitational-Wave Geodesy: A New Tool for Validating Detection of the Stochastic Gravitational-Wave Background*
T. A. Callister, M. W. Coughlin, J. B. Kanner
Astrophys. J. Letters 869, L28 (2018). [ArXiv:1808.03716](#)
48. *A Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background* ✚
LIGO Scientific Collaboration and Virgo Collaboration (**Lead author: T. Callister**)
Phys. Rev. Lett. 120, 201102 (2018). [ArXiv:1802.10194](#)
PRL Editor's Suggestion
49. *Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO*
P. B. Covas *et al.* (incl. **T. Callister**)
Phys. Rev. D 97, 082002 (2018). [ArXiv:1801.07204](#)
50. *Polarization-based tests of gravity with the stochastic gravitational-wave background.* ★
T. Callister, S. A. Biscoveanu, N. Christensen, M. Isi, A. Matas, *et al.*
Phys. Rev. X 7, 041058 (2017). [ArXiv:1704.08373](#)
51. *Observing gravitational waves with a single detector.*
T. A. Callister, J. B. Kanner, T. J. Massinger, S. Dhurandhar, and A. J. Weinstein.
Class. Quantum Grav. 34, 155007 (2017). [ArXiv:1704.00818](#)

52. *Upper limits on the stochastic gravitational-wave background from Advanced LIGO's first observing run.*  LIGO Scientific Collaboration and Virgo Collaboration (incl. **T. Callister**)
Phys. Rev. Letters 118, 121101 (2017). [ArXiv:1612.02029](#)
53. *Limits of astrophysics with gravitational-wave backgrounds.*
T. Callister, L. Sammut, S. Qiu, I. Mandel, and E. Thrane.
Phys. Rev. X 6, 031018 (2016). [ArXiv:1604.02513](#)
54. *Gravitational-wave constraints on the progenitors of fast radio bursts.*
T. Callister, J. Kanner, and A. Weinstein.
Astrophys. J. Letters 825, L12 (2016). [ArXiv:1603.08867](#)

SELECTED TALKS

Invited

- *An overview of the Fifth Gravitational-Wave Transient Catalog*
AAS Meeting, Pasadena, CA. June 18, 2026.
- *Gravitational waves and binary black hole recycling*
Smith College. March 6, 2026.
- *Exceptional events from the LIGO-Virgo-KAGRA O4 Observing Run*
GWPAW 2025. Georgia Institute of Technology. December 1, 2025.
- *Correlations among the properties of binary black hole mergers*
Stellar Black Hole Formation & Detection. YITP, Kyoto University. March 27, 2025.
- *A gravitational-wave census of the compact binary population*
Illinois Institute of Technology Colloquium. February 6, 2025.
- *A gravitational-wave census of the compact binary population*
UC Berkeley Astronomy Colloquium. January 30, 2025
- *Eavesdropping on black hole collisions with gravitational-wave astronomy*
Williams College. January 13, 2025
- *Where is the Binary Black Hole Main Sequence?*
The University of Maryland, HEP, Astrophysics, & Gravitation Seminar. December 4, 2024.
- *The population of compact binary mergers as a probe of cosmology*
The University of Minnesota, Cosmology Seminar. March 18, 2024.
- *Gravitational-Wave Observations and the Population of Compact Binaries*
NCfA Symposium 2024. University of Nevada, Las Vegas. February 29, 2024
- *What now? Gravitational-wave science in the post-detection era*
Princeton University. February 8, 2024
- *What now? Gravitational-wave science in the post-detection era*
UC Berkeley Physics Colloquium. January 24, 2024
- *A Gravitational-Wave Tour of the Compact Binary Population*
CITA Seminar. November 13, 2023

- *Gravitational-Wave Observations and the Population of Compact Binaries*
Two in a Million: The Interplay Between Binaries and Star Clusters. ESO Garching. September 14, 2023
- *Invited session chair and panelist.*
Gravitational-Wave Populations: What's Next? University of Milano-Bicocca. July 2023
- *The Next Generation of Gravitational-Wave Astronomy: Bigger, Better, Farther*
April APS Meeting. Chicago, IL. April 18, 2023
- *A Gravitational-Wave Tour of the Compact Binary Population*
KICP Seminar. University of Chicago. May 12, 2022.
- *The Astrophysical Gravitational-Wave Background: Status, Challenges, and Putting a (Non)-Detection to Work.*
Gravitational Waves: Beyond the Boxes II. Perimeter Institute. April 7, 2022.
- *A Gravitational-Wave Tour of the Compact Binary Population*
Carnegie Mellon Physics Colloquium. March 3, 2022.
- *Binary Black Hole Spins, Natal Kicks, and Prospects for Isolated Field Formation after GWTC-2*
IAS Coffee Seminar. December 14, 2020.
- *Science with the LIGO and Virgo stochastic gravitational-wave background*
GMT Community Science Meeting. September 9 2020.
– Canceled due to COVID-19 –
- *Searching for Prompt Radio Emission from Compact Binaries with the OVRO-LWA*
CGCA Seminar. University of Wisconsin-Milwaukee, Milwaukee, WI. February 15, 2019.
- *An Introduction to Radio Interferometry*
JoelFest 2018 (Celebrating the Career of Joel Weisberg), Carleton College, Northfield, MN. October 27, 2018.
- *A Search for Alternative Gravitational-Wave Polarizations in the Stochastic Background*
PASCOS 2018, Cleveland, OH. June 7, 2018.
- *Stochastic Search for Non-GR Polarizations*
Plenary, LIGO-Virgo Collaboration Meeting, Pasadena, CA. March 16, 2017.

Contributed

- *A Parameter-Free Tour of the Compact Binary Population*
GWPAW 2022. Melbourne, Australia. December 2022
- *An Anti-Correlation Between the Mass Ratios and Effective Spins of Binary Black Holes*
Amaldi 14. Virtual Conference. July 20, 2021.
- *The Binary Black Hole Population After Advanced LIGO & Virgo's O3a Observing Run*
AAS 237. Virtual Conference. January 12, 2021.
- *Observing the Peak of the Binary Black Hole Redshift Distribution*
April APS Meeting. Virtual Conference. April 19, 2020.
- *Observing the Peak of the Binary Black Hole Redshift Distribution*
GWPAW 2019. University of Tokyo, Tokyo, Japan. October 14, 2019.

- *Searching for Prompt Radio Emission from Compact Binaries with the OVRO-LWA*
LIGO Seminar, Caltech, Pasadena, CA. April 23, 2019.
- *Searching for Prompt Radio Emission from Compact Binaries with the OVRO-LWA*
April APS Meeting, Denver, CO. April 15, 2019.
- *Searching for Prompt Radio Emission from Compact Binaries with the OVRO-LWA*
GWPAW 2018. University of Maryland, College Park, MD. December 1, 2018.
- *Testing Gravitational-Wave Polarizations with the Stochastic Background*
April APS Meeting, Columbus, OH. April 16, 2018.
- *Measuring gravitational-wave polarizations with the stochastic background*
LIGO Seminar, Caltech, Pasadena, CA. November 21, 2017.
- *Model Selection with Binary Black Hole Backgrounds*
LIGO-Virgo Collaboration Meeting, Pasadena, CA. March 15, 2016.
- *Stochmon: A Stochastic Monitoring Tool*
LIGO-Virgo Collaboration Meeting, Pasadena, CA. March 16, 2015.
- *Eccentric Intermediate Mass-Ratio Inspirals: “Kludge” Waveforms*
BritGrav 2014, St. Catharine’s College, Cambridge, England. March 31, 2014.

TEACHING & MENTORING

Courses taught

- **ASTR 104: The Milky Way Galaxy and the Universe Beyond** *Most recent: Spring '26*
Introduction to our present and past understanding of our place in the galaxy and in the Universe beyond. Topics include intertwined historical development of physical laws of motion and the accepted structure of the cosmos, the structures of stars and galaxies, the radical reconception of space and time according to special and general relativity, dark energy and dark matter, and the fate of the Universe. Algebra-based and intended to be broadly accessible to students from all disciplines.
- **ASTR 111: Introduction to Astrophysics** *Most recent: Spring '26*
Calculus-based introductory survey course in astrophysics, intended for prospective astronomy and astrophysics majors. Topics covered include gravitation and Keplerian orbits, fundamentals of emission and absorption spectra, stellar evolution and the equations of stellar structure, dark matter and the phenomenology of galaxies, and the expanding Universe.
- **ASTR 403: Gravitational-Wave Astronomy** *Most recent: Fall '25*
Advanced seminar introducing the fundamentals of compact binaries mergers and their observations via gravitational waves. Topics covered include the nature and generation of gravitational waves, Schwarzschild black holes and their geodesics, binary orbits, statistics of time-domain signals, and gravitational-wave detection.
- **ASTR 405: Cosmology** *Most recent: Fall '26*
Advanced seminar covering fundamentals of cosmological theory and observations. Topics covered include spacetime curvature, solutions to the Friedmann equations, nucleosynthesis, the cosmic microwave background, inflation, and structure formation.

Student research

- **Williams College undergraduate research advising (2025-present):** Advising independent undergraduate research throughout the year, including paid research assistance positions during the term, credited research work during Williams' Winter Study term, on-campus summer research, and independent senior theses.
- **Community mentorship within the LIGO-Virgo-KAGRA collaboration (2016-present):** Frequent mentoring of undergraduates, graduate students, and junior postdocs. Includes both research mentoring (see publications indicated with ★) and career guidance, advising students as they apply to fellowships, graduate programs, or postdoctoral positions, and providing letters of recommendation.
- **CUNY AstroCom NYC Program (2020-22):** Research mentor in the AstroCom NYC program, designed to help minoritized and under-resourced undergraduates secure competitive graduate positions and prepare for a career in astronomy or physics.
- **LIGO Summer Undergraduate Research Fellowships (SURF) Program (2015-2018):** Principal mentor for undergraduate summer students, devising and supervising independent research projects in the field of LIGO and/or gravitational-wave astronomy. Additionally revamped the student selection process, organizing a committee to read and evaluate ~ 500 applications annually using a standardized rubric.

Students mentored

2026-present	Celine Mayer Undergraduate, Williams College
2026-present	Farris Farouki Undergraduate, Williams College
2026-present	Kyla Kelley Undergraduate, Williams College
2023-present	Sam Dyson Graduate student, University of Chicago
2023-2025	Alex Hanselman Graduate student, University of Chicago
2022-2025	Amanda Farah Graduate student, University of Chicago (<i>Now postdoc, CITA</i>)
2022-2024	Kevin Turbang Graduate student, Vrije Universiteit Brussel (<i>Now data scientist at addData</i>)
2022-present	Max Lalleman Graduate student, Universiteit Antwerpen
2020-2021	Kamiel Janssens Graduate student, Universiteit Antwerpen
2020-2021	Destiny Howell Undergraduate, CUNY (<i>Now graduate student, University of Texas at San Antonio</i>)
2020	Billy Chakalis Undergraduate, CUNY (<i>Now lecturer, CUNY York College</i>)
2018-2025	Simona Miller Undergraduate, Smith College (<i>Now postdoc, Flatiron Institute</i>)
2018	Serena Mosely

- Undergraduate, Carleton College
(Now graduate student, Northwestern University)
- 2016** Sylvia Biscoveanu
Undergraduate, The Pennsylvania State University
(Now faculty, Princeton University)
- 2015** Jared Goldberg
Undergraduate, Claremont McKenna College
(Now postdoc, Center for Computational Astrophysics)
- 2015** Elvira Kinzina
Undergraduate, Moscow Institute of Physics & Technology
(Now graduate student, MIT)

SERVICE WORK & OUTREACH

- Conference and Speaker Series Organizational Committees

- 2024** Gravitational waves: a new ear on the chemistry of galaxies
The Lorentz Center, Universiteit Leiden
- 2023-24** Organizing Committee
KICP Seminar Series, The University of Chicago
- 2020** Local Organizing Committee, The Astrophysics of Fast Radio Bursts
Center for Computational Astrophysics, Flatiron Institute
- 2016-19** CaJAGWR Speaker Series Executive Committee
California Institute of Technology
- 2014** Local Organizing Committee, BritGrav 2014
University of Cambridge

- LIGO Public Education and Outreach (2014-2019)
California Institute of Technology

Frequent participation in outreach activities with the goal of educating members of the public about astrophysics, gravitational waves, and the LIGO experiment. Most outreach efforts targeted K-12 students, involving hands-on demonstrations and experiments.

- Refereeing and Peer Review

- Future Investigators in NASA Earth and Space Science and Technology Review Panel
- NASA Astrophysics Data Analysis Program Review Panel
- Nature
- Physical Review Letters
- Physical Review D
- Monthly Notices of the Royal Astronomical Society
- The Astrophysical Journal Letters
- The Astrophysical Journal

HONORS & AWARDS

- 2019** GWIC-Braccini Thesis Prize Honorable Mention
- 2018** Josephine De Karman Fellowship

2017	Honors Convocation Speaker, Carleton College
2017	LIGO Scientific Collaboration (LSC) Graduate Student Poster Prize
2016	Breakthrough Prize in Fundamental Physics (<i>Awarded to LIGO & Virgo Collaborations</i>)
2016	LSC Graduate Student Poster Prize
2015	NSF Graduate Research Fellowship Honorable Mention
2013	Churchill Scholarship
2013	Graduated <i>summa cum laude</i> from Carleton College
2013	Carleton College Noyes Prize
2012	Barry M. Goldwater Scholarship
2009-12	Dean's List, Carleton College