

Thomas Wagg | Curriculum Vitae

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PhD Student in Astrophysics at the University of Washington

Education

University of Washington

PhD in Astrophysics

Seattle, WA

2021–Present

Harvard University

A.B. in Physics and Astrophysics, Secondary in Computer Science, GPA: 3.82

Cum Laude with Highest Honours in Field

Cambridge, MA

2016–2020

Newcastle-under-Lyme School

GCSEs and A-Levels

14 GCSEs with A* – 5 A-Levels, four A*s and A

Newcastle-under-Lyme, England

2004–2016

Publications

The latest list of publications can be found on ADS [using this link](#)

First-author Publications

1. [Gravitational wave sources in our Galactic backyard: Predictions for BHBH, BHNS and NSNS binaries detectable with LISA](#) Tom Wagg, Floor S. Broekgaarden, Selma E. de Mink, et al. *arXiv e-prints*, arXiv:2111.13704, 2021.
2. [LEGWORK: A python package for computing the evolution and detectability of stellar-origin gravitational-wave sources with space-based detectors](#) Tom Wagg, Katelyn Breivik and Selma E. de Mink *arXiv e-prints*, arXiv:2111.08717, 2021.

Co-authored Publications

1. [Impact of Massive Binary Star and Cosmic Evolution on Gravitational Wave Observations II: Double Compact Object Rates and Properties](#) Floor S. Broekgaarden, Edo Berger, Simon Stevenson, Stephen Justham, Ilya Mandel, et al. (incl. Tom Wagg) *arXiv e-prints*, arXiv:2112.05763, 2021.
2. [The redshift evolution of the binary black hole merger rate: a weighty matter](#) L.A.C. van Son, S.E. de Mink, T. Callister, S. Justham, M. Renzo, et al. (incl. Tom Wagg) *arXiv e-prints*, arXiv:2110.01634, 2021.
3. [Rapid stellar and binary population synthesis with COMPAS](#) Team COMPAS, Jeff Riley, Poojan Agrawal, Jim W. Barrett, Kristan N.K. Boyett, et al. (incl. Tom Wagg) *arXiv e-prints*, arXiv:2109.10352, 2021.
4. [WASP-South transiting exoplanets: WASP-130b, WASP-131b, WASP-132b, WASP-139b, WASP-140b, WASP-141b and WASP-142b](#) C. Hellier, D.R. Anderson, A. Collier Cameron, L. Delrez, M. Gillon, et al. (incl. Tom Wagg) *Monthly Notices of the RAS*, 465(3):3693-3707, 2017.
5. [Five transiting hot Jupiters discovered using WASP-South, Euler, and TRAPPIST: WASP-119 b, WASP-124 b, WASP-126 b, WASP-129 b, and WASP-133 b](#) P.F.L. Maxted, D.R. Anderson, A. Collier Cameron, L. Delrez, M. Gillon, et al. (incl. Tom Wagg) *Astronomy and Astrophysics*, A55:591, 2016.

Awards and Fellowships

Provost Scholar Award

Prize awarded by the University of Washington Astronomy Department for outstanding academic achievement

August 2021

Leo Goldberg Prize

Prize awarded by the Harvard Astronomy Department for the best astronomy senior thesis

May 2020

Bloomberg Creative Science Prize

Prize awarded by Mather House of Harvard College for the most insightful and creative senior thesis in the natural sciences.

May 2020

Alex G. Booth Fellowship

Fellowship awarded to recent Harvard graduates for research by Harvard College

April 2020

Haase Fellowship

Grant for research from Harvard University Physics Department

June 2018