Earl Patrick Bellinger, Ph.D.

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INTERESTS	Astrophysics, stellar evolution, asteroseismology, artificial intelligence, machine learning, data science	
POSITION	**Postdoctoral Research Fellow**, Max Planck Institute for Astrophysics, Garching, Germany	2021 –
EDUCATION	**Ph.D. Computer Science**, University of Göttingen, Germany	2018
	M.Sc. Computer Science, Indiana University, USA (GPA: 3.95/4.0)	2014
	B.Sc. Computer Science, SUNY Oswego, USA (GPA: 3.81/4.0, ranked #1 overall)	2012
	B.Sc. Applied Mathematics, SUNY Oswego, USA (*summa cum laude*)	2012
PAST RESEARCH POSITIONS	Postdoctoral Research Fellow, **Stellar Astrophysics Centre**, Aarhus, Denmark	2018 – 2021
	Visiting Fellow, **University of New South Wales**, Sydney, Australia	2019 – 2020
	Research Assistant, **Max Planck Institute for Solar System Research**, Germany	2015 – 2018
	Visiting Assistant in Research, **Yale University**, USA	2016 – 2017
	Research Assistant, **Indiana University**, USA	2013 – 2015
	Guest Researcher, **NIST Information Technology Laboratory**, USA	2013 – 2014
	Research Student, **National Institute of Informatics**, Japan	2013
	SURF Fellow, **NASA Jet Propulsion Laboratory**, USA	2012
	REU Student, **Federal University of Alagoas**, Brazil	2011
	REU Student, **Federal University of Santa Catarina**, Brazil	2010
TEACHING POSITIONS	Assistant, Department of Physics & Astronomy, **Aarhus University**, Denmark	2018 – 2021
	Teaching Assistant, Department of Astronomy, **Yale University**, USA	2017
	Assistant, Institute for Astrophysics, **University of Göttingen**, Germany	2016
	Associate Instructor, School of Informatics & Computing, **Indiana University**, USA	2012
	Seminar Leader, Honors Department, **SUNY Oswego**, USA	2010
SELECTED HONORS & AWARDS	FWO Senior Postdoctoral Research Fellowship	2023 – 2026
	National Physical Science Consortium Graduate Fellowship	2012 – 2017
	SUNY Oswego Presidential Scholarship	2008 – 2012
	Oebele Van Dyk Outstanding Computer Science Senior Award	2012
	SUNY Chancellor's Award	2012
	NSF IRES / SUNY Oswego Global Laboratory Scholarship	2010, 2011
	SMART Grant	2010, 2011
PUBLISHING	26 refereed publications (9 first author), 421 citations, h-index of 12	

SELECTED PAPERS

E. P. Bellinger et al. (2021). Asteroseismic inference of the central structure in a subgiant star. *The Astrophysical Journal*, 915 (2).

E. P. Bellinger (2020). A seismic scaling relation for stellar age II. The red giant branch. *Monthly Notices of the Royal Astronomical Society: Letters*, 492 (1).

E. P. Bellinger (2019). A seismic scaling relation for stellar age. *MNRAS*, 486 (4).

E. P. Bellinger & J. Christensen-Dalsgaard (2019). Asteroseismic constraints on the cosmic-time variation of the gravitational constant from an ancient main-sequence star. *ApJ Letters*, 887 (1).

E. P. Bellinger et al. (2019). Testing stellar evolution with asteroseismic inversions of a main sequence star harboring a small convective core. *The Astrophysical Journal*, 885 (2), 143.

E. P. Bellinger et al. (2017). Model-independent measurement of internal stellar structure in 16 Cygni A and B. *The Astrophysical Journal*, 851 (2), 80.

E. P. Bellinger et al. (2016). Fundamental parameters of main-sequence stars in an instant with machine learning. *The Astrophysical Journal*, 830 (1), 20.