Benjamin F. Cooke
Curriculum Vitae

PERSONAL DETAILS

Birth	███████████
Address	████████████████████████
Phone	████████
E-Mail	█████████████████

EDUCATION

PhD Astrophysics   2017-2021
University of Warwick

Astrophysics PhD in the field of exoplanets under the supervision of Professor Don Pollacco. Research has currently produced multiple published papers in peer-reviewed journals including 5 as first-author.

MSc. Physics   2013-2017
University of Birmingham

First-class honours. Integrated masters including final year masters thesis under the supervision of Dr. Andrea Miglio & Dr. Tiago Campante.

WORK EXPERIENCE

Research Fellow   2021-present
University of Warwick

Conducting novel research regarding tracking of satellites and space debris. Supported by awards from STFC CLASP and DSTL DASA.

PhD Student   2017-2021
University of Warwick

Simulation, detection and characterisation of monotransits from the TESS mission. Carried out novel and independent research regarding exoplanet transits and simulations thereof. Research led to multiple first-author publications in peer-reviewed journals. Concluded with a 55,000 word thesis. Passed with no corrections.

Undergraduate Problems Class Supervisor   2017-2019
University of Warwick, Part-time

Led independent problems classes for physics undergraduate student during autumn term. Role included preparing lesson plans, delivering content and supporting students. One academic term per year for three years.

Research Studentship   Summer 2016
University of Birmingham

Novel research project under the supervision of Professor William Chaplin & Dr. Tiago Campante. Conducted independent research and presented finding on a specialised physics topic. Work resulted in contributions to, and author credits on, multiple publications in peer-reviewed journals.

SKILLS

Languages	English (native)
Software	Python - 7 years
	Bash - 5 year
	C/C++ - 3 year
	Matlab - 1 year
	LaTeX- 7 years

CERIFICATES AND AWARDS

Postgraduate Award in Transferable Skills in Science University of Warwick, 2021.

Winton Thesis Prize - Recognising outstanding astrophysical research, University of Warwick, 2022.

EXTRA-CURRICULAR QUALIFICATIONS

An Introduction to Scientific Computing with Python University of Warwick.
Critical Thinking Universitas 21.
Maths for Physicists Open University.

PUBLICATIONS

First-author only. For full publication record see https://orcid.org/0000-0002-8824-9956.

Benjamin F. Cooke, Paul Chote, Don Pollacco et al. 2023. *Simulated recovery of LEO objects using sCMOS blind stacking.* ASR, 72:907.

Benjamin F. Cooke, Don Pollacco, David R. Anderson et al. 2020. *Resolving period aliases for TESS monotransits recovered during the extended mission.* MNRAS, 500:5088.

Benjamin F. Cooke, Don Pollacco. 2020. *SpecPhot: A Comparison of Spectroscopic and Photometric Exoplanet Follow-Up Methods.* MNRAS, 495: 734.

Benjamin F. Cooke, Don Pollacco, Y. Almleaky et al. 2020. *Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b.* AJ, 159: 255.

Benjamin F. Cooke, Don Pollacco, Monika Lendl et al. 2020. *CHEOPS observations of TESS primary mission monotransits.* MNRAS, 494: 736.

Benjamin F. Cooke, Don Pollacco and Daniel Bayliss. 2019. *An examination of the effect of the TESS extended mission on southern hemisphere monotransits.* A&A, 631: A83.

Benjamin F. Cooke, Don Pollacco, Richard West et al. 2018. *Single site observations of TESS single transit detections.* AJ, 619: A175.

REFERENCES

Available upon request