

David O’Ryan

Department of Physics
Lancaster University
Lancaster LA1 4YB
United Kingdom

Mobile: +44 (0)7706017067
GitHub - Twitter
d.oryan@lancaster.ac.uk
ORCID: 0000-0003-1217-4617

Professional Summary

- List of my professional interests
- Expert from PhD
- Expertise from Internships
- Expertise from personal life

Education

University of Lancaster <i>PhD in Physics</i>	Oct 2019 – Present <i>Lancaster, UK</i>
University of Glasgow <i>Integrated Masters (MSci) in Physics and Astronomy</i>	13 Sept 2014 – 15 Jun 2019 <i>Glasgow, UK</i>

Research Experience

Archival Researcher <i>European Space Astronomy Centre (ESAC), European Space Agency</i>	Apr 2022 – Jul 2022 <i>Madrid, Spain</i>
Masters Project in Solar Physics <i>University of Glasgow</i>	Sept, 2018 – May 2019 <i>Glasgow, United Kingdom</i>
Summer Research Student in Imaging Concepts <i>University of Glasgow</i>	June 2018 – Aug 2018 <i>Glasgow, United Kingdom</i>
Summer Research Student in Galaxy Evolution <i>University of St Andrews</i>	June 2017 – Aug 2017 <i>St Andrews, United Kingdom</i>
Summer Research Student in Galaxy Evolution <i>Nicolas Copernicus Astronomy Centre</i>	Jul 2016 – Aug 2016 <i>Warsaw, Poland</i>

Other Experience

Data Scientist <i>1715Labs</i>	Oct 2021 – Jan 2022 <i>London, United Kingdom</i>
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Scientific Publications

- Publications as Lead Author** *Note: candidate name in bold*
2. "Harnessing the Hubble Space Telescope Archives: A Catalogue of 21,926 Interacting Galaxies", **D. O’Ryan**, et al. (16 authors), Submitted to ApJ, Submitted Manuscript: [Link](#)
 1. "Advanced PySPAM: Constraining Galaxy Interaction in a Statistical Manner", **D. O’Ryan** & B. D. Simmons, In Prep., [Link to In Prep Manuscript: Link](#)
- Publications as Major Contributing Author**
1. "Origin of the Local Group Satellite Planes", I. Banik, **D. O’Ryan**, H. Zhao, 2018, MNRAS, 477, pp 4768–4791

Publications as Minor Contributing Author

4. "Galaxy and Mass Assembly: Galaxy Morphology in the Green Valley, Prominent Rings, and Looser Spiral Arms", D. Smith *et al.* (O’Ryan: 17th of 18 authors), 2022, MNRAS, 517, pp. 4575–4589
3. "Preparing for Low Surface Brightness Science with the Vera C. Rubin Observatory: Characterization of Tidal Features from Mock Images", G. Martin *et al.* (O’Ryan: 20th of 52 authors), 2022, MNRAS, 513, pp. 1459–1487
2. "Gems of the Galaxy Zoos-A Wide-ranging Hubble Space Telescope Gal-filler Program", W. Keel *et al.* (O’Ryan: 16th of 16 authors), 2022, AJ, 163, pp. 150
1. "Quantifying the Poor Purity and Completeness of Morphological Samples Selected by Galaxy Colour", R. J. Smethurst *et al.* (O’Ryan: 9th) of 10 authors), 2022, MNRAS, 510, pp. 4126–4133

Presentations, Invited Talks and Seminars

Outreach

Awards

Title or brief description of the award

University, Sponsor or Organization

year(s)

Title or brief description of the award

University, Sponsor or Organization

year(s)

Title or brief description of the award

University, Sponsor or Organization

year(s)

Specialized Skills

Heading, eg. "Programming Languages": Python (beginner), R (intermediate)

Other topics: your skills

Other topics: your skills

Other topics: your skills

Other Interests

Heading, eg. "Athletics": tennis (club team captain)

Other heading: the thing you want to include