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Dirk Scholte

PhD Candidate in Extragalactic Astrophysics

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EDUCATION

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| PhD in Extragalactic Astrophysics, <i>University College London</i> | 2020 — Present |
| MSc in Astronomy and Astrophysics, <i>The University of Manchester</i> | 2017 — 2018 |
| BSc in Physics and Astronomy, <i>Utrecht University</i> | 2013 — 2017 |
| International exchange programme, <i>University of Victoria</i> | 2015 — 2016 |

SKILLS

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| Tools and Languages | Python, Git, \LaTeX , MySQL |
| Quantitative Research | Statistical analysis, Scientific modelling, Machine Learning applications, Big data |
| Communication | English, Dutch |

EXPERIENCE

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| POST GRADUATE TEACHING ASSISTANT <i>University College London</i> <ul style="list-style-type: none">Interstellar physics (third year course) | February 2022 — Present <i>London, UK</i> |
| ORBYTS TEACHING MATERIALS DEVELOPMENT AND DELIVERY <i>University College London</i> <ul style="list-style-type: none">Developing teaching materials for in classroom use at GCSE level | December 2021 — Present <i>London, UK</i> |
| CUSTOMER SERVICE SPECIALIST <i>Booking.com</i> | February 2020 — August 2020 <i>London, UK</i> |
| PALEONTOLOGY LAB ASSISTANT/VISITOR ENGAGEMENT <i>Oertijds Museum</i> | November 2019 — February 2020 <i>Boxtel, Netherlands</i> |
| SCIENCE ENGAGEMENT <i>Jodrell Bank Observatory, The University of Manchester</i> <ul style="list-style-type: none">science talks on various topics for groups from 20 - 100+ peopleDelivery of schools programme for 150+ students daily | July 2018 — August 2019 <i>Macclesfield, UK</i> |

ACTIVITIES

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| Conferences/Meetings | |
| PoSTER 2022 - Galaxy Evolution | May 2022 |
| Prize for best poster/flash talk at conference: <i>The role of gas in galaxy evolution in the largest surveys</i> | |
| Likelihood-free in Paris conference, Participant | April 2022 |
| ESCAPE data science summer school, Participant | July 2021 |
| Dark Energy Spectroscopic Instrument collaboration meeting, Participant | June 2021 |
| Talk: <i>The mass-metallicity relation with DESI</i> | |
| Science and Technology Facilities Council: Astronomy winter school, Poster Presenter | January 2021 |
| Poster: <i>The baryon-to-halo mass relation</i> | |
| Service | |
| Extragalactic journal club, Chair | 2021 — 2022 |
| Staff and PhD student introductory meetings, Organizer | Spring/Summer 2021 |
| Other | |
| Royal Astronomical Society, Fellow | October 2020 — Present |
| Data Driven Astronomy, Coursera/University of Sydney | September 2020 |

PUBLICATIONS

Overview of the Dark Energy Spectroscopic Instrument, *DESI Collaboration incl. Scholte, D.*, arXiv, May 2022
Study of spider pulsar binary eclipses and discovery of an eclipse mechanism transition, *Polzin, E. J.; Breton, R. P.; Bhattacharyya, B.; Scholte, D.; Sobey, C.; Stappers, B. W.*, MNRAS, May 2020
Available on: [NASA Astrophysical Data System](#)