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Dirk Scholte

PhD Candidate in Extragalactic Astrophysics

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EDUCATION

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

Tools and Languages	Python, Git, \LaTeX
Quantitative Research	Statistical analysis, Machine learning, Theoretical modelling
Communication	English (fluent speaker), Dutch (native)

EXPERIENCE

POST GRADUATE TEACHING ASSISTANT <i>University College London</i>	February 2022 — Present <i>London, UK</i>
<ul style="list-style-type: none">Interstellar physics (third year course)	
ORBYTS TEACHING MATERIALS DEVELOPER <i>University College London</i>	December 2021 — Present <i>London, UK</i>
<ul style="list-style-type: none">Developing teaching materials for in classroom use at GCSE level	
CUSTOMER SERVICE SPECIALIST (Dutch/English) <i>Booking.com</i>	February 2020 — August 2020 <i>London, UK</i>
<ul style="list-style-type: none">Working in a multilingual and multicultural team	
PALEONTOLOGY LAB ASSISTANT/VISITOR ENGAGEMENT (Volunteer) <i>Oertijd Museum</i>	November 2019 — February 2020 <i>Boxtel, Netherlands</i>
<ul style="list-style-type: none">Preparation of Diplodocus dinosaur fossilsEngagement with museum visitors	
SCIENCE ENGAGEMENT INTERN <i>Jodrell Bank Observatory, The University of Manchester</i>	July 2018 — August 2019 <i>Macclesfield, UK</i>
<ul style="list-style-type: none">Public speaking for groups from 20 - 100+ people: science talks on various topicsVisitor engagement for all ages: site tours, visitor questions, science buskingSchools programme KS1, KS2 and KS3 - 150+ students daily	

ACTIVITIES

Conferences/Meetings

PoSTER 2022 - Galaxy Evolution	May 2022
Poster + flash talk: <i>The role of gas in galaxy evolution in the largest surveys: deriving the gas content from optical spectra</i>	
Likelihood-free in Paris conference, Participant	April 2022
ESCAPE virtual 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

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](#)