

EDUCATION

2021 – 2023	Data Science with Placement , <i>University of Bath</i>
MSC	Master of Computer Science
RESEARCH	Modules include Machine Learning, Reinforcement Learning, Neural Networks.
2020 – 2021	Astronomy and Astrophysics , <i>University of Manchester</i>
MSC	<i>Distinction</i> , Master of Physics
RESEARCH	Used python to solve the issue of big data in astronomy using packages such as numpy/pandas/astropy/scipy/sklearn/tensorflow. Published a program to facilitate data acquisition and analysis automatically dubbed firefly , which adopts a machine learning approach to find best fit variables called TransitFit , of which I am a contributor.
2016 – 2020	Mathematics with Computer Science , <i>University of Nottingham</i>
MMATH	<i>Upper Second-Class Honours</i> , Master of Mathematics
RESEARCH	Dissertation involved working with python to numerically solve spherical cavitation bubble collapse.
2014 – 2016	Space Engineering , <i>Loughborough College</i>
A-LEVELS	<i>Mathematics A* · Further Mathematics A · Physics A · Engineering A</i> A specialised course with guest lectures at the Space Centre in Leicester.
2009 – 2014	Secondary School , <i>Loughborough College</i>
GCSE's	<i>Mathematics A* · Further Mathematics A · Physics A · Biology B · Chemistry B · English A · English Literature A · Astronomy A</i>

POSITIONS AND RESPONSIBILITIES

2018 - 2019	Mature Student Mentor , UoN	2017 - 2018	Ambassador , UoN
	I was a point of contact for mature students, helping them settle in and be there is a support capacity.		I presented, and gave advice to prospective students.

PUBLIC SPEAKING

2017	Department of Physics , The University of Nottingham
	Gave introductions to guest speakers and shout outs in lectures to ensure everyone is informed of important events.
2014	Space Research Centre , The University of Leicester
	Presented my findings to a crowd of 50 post doc students and an astronaut! My presentation was based on exoplanet research and the feasibility of alien civilizations to be space faring.

VOLUNTEERING

2017	Magical Maths – Nottingham
ROLE	Organisation of weekly sessions to promote mathematics to primary school children, in line with the national curriculum.
2016	Workaway – Ghana
ROLE	I volunteered at a remote school in Africa for a turn of 2 months, to teach those with no access to maths the fundamentals. I managed to organise a bus to take everyone attending to places of historic interest, and demonstrate how the maths they had learned in the classroom has real impact and use to the world around them.

INTERESTS

PHOTOGRAPHY	Avid adventurer and keen astronomer. This hobby pushes the boundaries of my interest in both.	MUSIC	Self taught Guitar, Piano, Violin.
		GENERAL	Science fiction and anything spacey.
HIKING	Surviving extreme conditions makes me feel alive.		