JACK WALTON

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"PhD educated and analytical problem solver seeks challenging and intellectually stimulating work"

Education

	aucation				
	versity of Newcastle upon Tyne, UK PhD, Mathematics	☐ 2016–Present			
	versity of Newcastle upon Tyne, UK Master of Mathematics, 1st Class	□ 2015–2016			
	versity of Newcastle upon Tyne, UK Mathematics BSc Hons, 1st Class	□ 2012–2015			
C	omputing				
ş	Considerable experience using the Python language in a number of diverse prand experienced using the most popular data-science orientated packages (numatplotlib, sklearn etc.).	•			
>_	Confident working from the command line, scripting in bash, managing remote machines over ssh, and using standard shell commands (ssh, scp, sed, awk, grep, find, etc.).				
	Maintain an online blog (jwalton.info) of original Python and Linux tutorials, attracting 800–1000 unique monthly users.				
	Regular contributor on stack overflow. Ranked in top 1% of users in 2019 having reached over 60k users.				
git	Managed and collaborated on numerous projects utilising git, github and gitlab.				
△	Familiarity with HPC services and various job schedulers (SLURM, PBS).				
	Notable experience working with; R; Docker; Stan; Matlab; Fortran; html; SPSS and LATEX.				
A۱	wards				
	thumbria Water Hackathon Best team solution	☐ July 2019			
_	Conference on Multiscale Biology Best poster award	☐ April 2018			
_	SRC Research project funding	□ 2016–2020			

Teaching Experience

- Delivered many 1–3 day programming workshops on Python, R and machine learning, whilst employed as a subcontractor for Jumping Rivers Ltd. Workshops were delivered to clients in academia and industry.
- Independently organised, created and delivered various half-day workshops teaching Python, LATEX, git and github for Newcastle University.

•••	Worked as a tutor at Newcastle University's maths consultancy service; helping solve a broad variety of problems with maths and statistics.	g students and staf
•	Involved in the teaching, marking and invigilation of multiple undergraduate communication skills assisting on modules from 'Problem Solving' to 'Statist Psychology'.	•
Re	esearch skills	
<u>~</u> *	Experienced independent researcher working within different disciplines of mather applied mathematics and Bayesian statistics.	matics, most notabl
<u>~</u>	Clear scientific communicator, able to disseminate research and ideas to both specialist audiences.	specialist and non
<u>~</u>	Able to apply ideas and techniques from research to solve and troubleshoot real	-world problems.
<u>~</u>	Confident and competent working as an independent researcher, or as part of a team.	a larger collaborativ
C	ontributed talks	
_	wcastle upon Tyne Data Science meetup Bayesian statistics for Astrophysics	☐ Nov 201
_	wcastle University postgraduate forum Hashing algorithms and password cracking	□ April 2019
_	wcastle University applied mathematics conference The mathematics of collective behaviour	□ June 2018
C	onferences attended	
	rszawa, Poland y R? 2019	□ June 2019
	ntreal University, QC iety for Mathematical Biology. Contributed poster.	□ July 2019
	wcastle University, UK tgraduate Applied Maths conference. Organiser and speaker.	□ July 2018
	ttingham University, UK conference on multiscale biology. Contributed poster.	□ April 2018
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References

Available on request