Stuart Burrell

sab256@cam.ac.uk Curriculum Vitae stuartburrell.github.io

MPhil	University of	Cambridge	Machine Learning and Machine Intelligence, Cambridge Trust Scholar 20	21-2022
PhD	University of	_		16-202
MMath	University of	St Andrews	Mathematics, First Class Honours, Graduate Medal 20	12-201
EXPERI	ENCE			
	natician	_	10/2022 –	
-	Research Cente		Cambri	dge, UI
			f-supervised machine learning. r cybersecurity.	
	toral research			202
			s, University of St Andrews St Andr	ews, U
		-	rly Career Fellowship	
Resea	arch on stochas	tic processes	, geometric measure theory and metric geometry	
PUBLIC	CATIONS			
Monatsh. Math.			The fractal structure of elliptical polynomial spirals (with K. Falconer and J. Fraser)	2022
Journal of Theoretical Probability			Dimensions of fractional Brownian images	202
Journal of Fractal Geometry			Projection theorems for intermediate dimensions (with K. Falconer and J. Fraser)	202
Journal of Number Theory			Digit expansions of numbers in different bases (with H. Yu)	202
Annal. Acad. Sci. Fenn. Math. Real Analysis Exchange			The dimensions of inhomogeneous self-affine sets (with J. Fraser) On the dimension and measure of inhomogeneous attractors	2020 2020
	SOURCE SOFT		On the differsion and measure of filliomogeneous attractors	2020
			Methods on the torsion and order problems of natural & tropical matrix semigroups	2016
GAP Semigroups package GAP Digraphs package		-	Methods for efficiently computing the simple circuits of a digraph	2016
SKILLS				
	nd Languages	-	nsorflow, PyTorch, Git, TeX, Matlab, Bash, UNIX	
eaching Over 1000+ hours of Mathematics and Statistics tutoring experience in higher education				
Commu	nication	Presented a	t Dynamic Days Europe, Fractals and Stochastic VI and the Royal Society of Edinburgh	
CERTIfi	CATIONS			
	ructures and Al			202
Deep Learning Specialisation, Deeplearning.Al, Coursera				202
Machine Learning, Stanford University, Coursera				202
Associate Fellow of the Higher Education Academy, AdvanceHE				2020
Supporting Student Learning, University of St Andrews Curriculum Design and Assessment, University of St Andrews				2020
Future Leaders Programme, Carnegie Trust				2020 2020
	S AND SCHOL		gic music	202
			ti Callaga Scholarchin University of Cambridge	202
Cambridge Trust and Corpus Christi College Scholarship, University of Cambridge University Teaching Awards: Best Postgraduate Tutor (3x Nominee), University of St Andrews				202 202
Carnegie Trust PhD Scholar, The Carnegie Trust for the Universities of Scotland				202
Arthur Hinton Read Memorial Prize for best grades in pure mathematics, University of St Andrews				201
Duncan Prize for best final year research project, University of St Andrews				201
Sanderson Prize for best overall degree achievment, University of St Andrews				201
The Principal's Scholarship for Academic Excellence, University of St Andrews				201
	-	-	Community School	2012

2012

Head Teacher Award, South Wolds Community School