Stuart Burrell

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EDUCA ⁻	TION		
MPhil	University of Cambridge		2021-2022
PhD MMath	University of St Andrews	, ,	2016-2020
MMath	University of St Andrews	Mathematics, First Class Honours, Graduate Medal	2012-2016
EXPERI			2021
Postdoctoral researcher School of Mathematics and Statistics, University of St Andrews St Andrews			2021 ndrews, UK
	on Mathematical Society Ear	•	areno, er
		s, geometric measure theory and metric geometry	
Public	CATIONS		
	h. Math.	The fractal structure of elliptical polynomial spirals (with K. Falconer and J. Fraser)	
Journal of Theoretical Probability		Dimensions of fractional Brownian images	2021
Journal of Fractal Geometry		Projection theorems for intermediate dimensions (with K. Falconer and J. Fraser)	2021
Journal of Number Theory Annal. Acad. Sci. Fenn. Math.		Digit expansions of numbers in different bases (with H. Yu) The dimensions of inhomogeneous self-affine sets (with J. Fraser)	2020 2020
	alysis Exchange	On the dimension and measure of inhomogeneous attractors	2020
	SOURCE SOFTWARE		
GAP Semigroups package		Methods on the torsion and order problems of natural & tropical matrix semigroup	os 2016
GAP Digraphs package		Methods for efficiently computing the simple circuits of a digraph	2016
Skills			
		nsorflow, PyTorch, C++, Git, TeX, Matlab, Bash, UNIX	
Teachin	_	hours of Mathematics and Statistics tutoring experience in higher education at Dynamic Days Europe, Fractals and Stochastic VI and the Royal Society of Edinburg	h
	ications	to by namic bay's Europe, Tractals and Stochastic Vi and the Royal Society of Europa	
	ructures and Algorithms, Ud	dacity	2021
Deep Learning Specialisation, Deeplearning.AI, Coursera			2021
Machine Learning, Stanford University, Coursera			2021
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
	os and Scholarships	Pre mase	2020
		ti College Scholarship, University of Cambridge	2021
University Teaching Awards: Best Postgraduate Tutor (3x Nominee), University of St Andrews			2020
Carnegi	ie Trust PhD Scholar, The Ca	arnegie Trust for the Universities of Scotland	2016
		e for best grades in pure mathematics, University of St Andrews	2016
Duncan Prize for best final year research project, University of St Andrews			2016
Sanderson Prize for best overall degree achievment, University of St Andrews			2016
The Principal's Scholarship for Academic Excellence, University of St Andrews Head Teacher Award, South Wolds Community School			2015 2012
neau 16	eacher Awaru, South Wolds	Community School	2012