

Jake Cunningham

jakehcunningham@outlook.com ◦ +447889 981304

Interests	My research interests are in developing Bayesian machine learning methods with particular focus on applications in climate science	
Education	Ph.D. Machine Learning	2021-Present
	University College London, Department of Computer Science <i>Supervisor:</i> Marc Deisenroth	
	M.Sc. Computing (AI and Machine Learning)	2020-2021
	Imperial College London, Department of Computing <i>Research Project:</i> Stochastic Partial Differential Equations and Gaussian Processes <i>Supervisor:</i> Mark van der Wilk <i>Grade:</i> Distinction 82.77%	
	M.Eng. Engineering Science	2016-2020
	University of Oxford, Keble College, Department of Engineering <i>Research Project:</i> Modelling Global Distribution of Floating Microplastics <i>Supervisor:</i> Ton van den Bremer <i>Grade:</i> First Class Honours 75.63%	
Publications	H.J.Cunningham , C.Higgins, T.S. van den Bremer. <i>The Role of the Unsteady Surface Wave-Driven Ekman–Stokes Flow in the Accumulation of Floating Marine Litter</i> . Journal of Geophysical Research: Oceans, 2022	
Awards	Imperial Computing Distinguished project	2021
	Awarded for outstanding individual projects in terms of technical achievement	
	Challenger Society for Marine Science Student Award	2020
	Awarded for demonstrating excellence in Marine Science Research	
	Keble College Franklin Award	2020
	Awarded for best overall performance in 4th year Engineering Science	
	Keble College Academic Scholarship	2018-2020
Employment History	Mercury Labs	2021-Present
	<i>Data Scientist</i> Designed zero-shot recommender systems for low-traffic small businesses	
	Waves and Flows Research Group, University of Oxford	2020
	<i>Research Assistant</i> Developed global ocean models and performed large particle tracking simulations	
	AMR International	2019
	<i>Strategy Consultant</i> Built quantitative models to assess investment risk	
Technical Skills	Languages	
	Python, Matlab, Julia	
	Machine Learning Frameworks	
	PyTorch, TensorFlow, JAX, GPflow	