Matthew T. Jackson

Education	University of Oxford – DPhil in Engineering Sc Member of the AIMS CDT. Supervised by Jakob Foerster and Shimon Wh	ience 2021-Sept 2025 iteson.
	University College London — MSc in Machine L Distinction, 87% — Dean's List. Supervised by Tim Rocktäschel and Edward G	earning 2020-2021 refenstette.
	University of Cambridge – BA in Computer Sci First-Class Honors, 86% – Senior Scholar, ran Highly commended (top 5) dissertation. Supervised by Pietro Liò.	ence 2017-2020 ked 2/99 in cohort.
Selected Publications	Policy-Guided Diffusion Matthew T. Jackson, Michael T. Matthews, Cor Under Review — NeurIPS 2023 Workshop on R	ng Lu, Shimon Whiteson, Jakob N. Foerster Pobot Learning [link]
	Addressing Non-Stationarity in Reinforcement Learn Benjamin Ellis*, Matthew T. Jackson* , Andrei Lu Whiteson, Jakob N. Foerster <i>Under Review</i>	ing by Count Resetting in Adam Ipu, Alexander D. Goldie, Mattie Fellows, Shimor
	Discovering Temporally-Aware Reinforcement Learni Matthew T. Jackson*, Chris Lu*, Louis Kirsch, F	ng Algorithms Robert T. Lange, Shimon Whiteson, Jakob N. Fo
	erster ICLR 2024	[link]
	Discovering General Reinforcement Learning Algorith Matthew T. Jackson, Minqi Jiang, Jack Parker-H Shimon Whiteson, Jakob N. Foerster NeurIPS 2023	nms with Adversarial Environment Design Iolder, Risto Vuorio, Chris Lu, Gregory Farquhar
.		[
Experience	Amazon – Software Engineering Intern	2020
	answers to user questions. Implemented feat	ures running on all Alexa Q&A queries.
	Arm – Software Engineering Intern Worked in the Machine Learning Software Gro engines in C++. Reviewed deep learning rese A selection of contributions may be found on	2019 Dup, developing Arm's neural network inference arch and added support for new architectures the ArmNN GitHub.
	Cubica Technology (acquired) – Software Eng Developed a Python script to identify and labe databases. Implemented and trained rando addition to a tracking algorithm for video sur	ineering Intern 2018 I reoccurring identities across large-scale video m forest models for head pose estimation, ir nmarization.
Academia	Tutor Reinforcement Learning (PhD course), Machi	ne Learning (Master's course)
	Reviewer ICLR, ACML, NeurIPS workshops (DeepRL, ALO	E, Diffusion Models), Frontiers
Software	Languages	Frameworks
	Python, C++, Java, OCaml, HTML/CSS, Bash	JAX, PyTorch, Hugo

Further Publications

SplAgger: Split Aggregation for In-Context Reinforcement Learning Jake Beck, Matthew T. Jackson, Risto Vuorio, Zheng Xiong, Shimon Whiteson Under Review	
Towards Addressing Non-stationarity, Plasticity Loss, and Exploration via Learned Optimizers f Alexander D. Goldie, Chris Lu, Matthew T. Jackson , Shimon Whiteson, Jakob Nicolaus Fo <i>Under Review</i>	for RL erster
Craftax: A Lightning-Fast Benchmark for Open-Ended Reinforcement Learning Michael T. Matthews, Michael Beukman, Benjamin Ellis, Mikayel Samvelyan, Matthew T son, Samuel Coward, Jakob N. Foerster Under Review	Jack- [<i>link</i>]
Near to Mid-term Risks and Opportunities of Open Source Generative Al Francisco Eiras, Aleksandar Petrov, Bertie Vidgen, Christian Schroeder de Witt, Fabio F Katherine Elkins, Supratik Mukhopadhyay, Adel Bibi, Botos Csaba, Fabro Steibel, Fazl Genevieve Smith, Gianluca Guadagni, Jon Chun, Jordi Cabot, Joseph Marvin Imperial, Ju Nolazco-Flores, Lori Landay, Matthew T. Jackson, Paul Rottger, Philip Torr, Trevor Darrell Suk Lee, Jakob N. Foerster Under Review	Pizzati, Barez, uan A. , Yong
Retrieve What You Need: A Mutual Learning Framework for Open-domain Question Answering Dingmin Wang, Qiuyuan Huang, Matthew T. Jackson , Jianfeng Gao <i>TACL 2024</i>]
Online Reinforcement Learning Controllers for Soft Robots using Learned Environments Uljad Berdica, Matthew T. Jackson , Jakob Foerster, Perla Maiolino <i>RoboSoft 2024</i>	
Hypernetworks for Meta-Reinforcement Learning Jake Beck, Matthew T. Jackson , Risto Vuorio, Shimon Whiteson <i>CoRL 2022</i>	[link]
Multi-Modal Fusion by Meta-Initialization Matthew T. Jackson [*] , Shreshth Malik [*] , Michael T. Matthews, Yousuf Mohamed-Ahmed FARSCOPE Robotics Workshop 2022; Best Poster Award	[link]