Tim Reichelt

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EDUCATION	**University of Oxford**	2019 - Now

PhD in Machine Learning | Funded by EPSRC CDT in AIMS
Supervisors: Professor Luke Ong, Dr Tom Rainforth
Research interests: Probabilistic Machine Learning, Probabilistic Programming, Deep Learning, Bayesian Statistics

University of Edinburgh　　　　　　　　　　　　　　　　　　2015 - 2019
BSc Hons Artificial Intelligence and Computer Science (First)
Final year thesis with Nizar Batada on predicting survival of cancer patients from histopathology images using a Variational Autoencoder.

EXPERIENCE　　**University of Oxford & NVIDIA**　　　　　　　　　Summer 2020
Mini-Project as part of CDT in AIMS | Research project on using object-centric generative models for model-based reinforcement learning.

Bosch Center for Artificial Intelligence　　　　　　　　Summer 2018
Intern | Worked on implementing new approaches to few-shot learning in PyTorch. The details are confidential.

University of Edinburgh　　　　　　　　　　　　　　　　　　Spring 2018
System Design Project (Year 3 Module) | I trained a CNN to identify lego bricks in a video feed in real-time using TensorFlow. Our team won the "Runners Up" prize sponsored by Sky.

University of Edinburgh　　　　　　　　　　　　　　　　　　Summer 2017
Intern | Worked in the Machine Translation group. I was responsible for processing multiple terabytes of web data from the CommonCrawl project with UNIX tools.

University of Edinburgh　　　　　　　　　　　　　　　　　　Summer 2016
Informatics Summer of Code | Programmed the backend of an Android app in Go.

TUTORING	**Bayesian Statistical Probabilistic Programming**	Autumn 2020
	University of Oxford	
	INF2B - Algorithms, Data Structures and Learning	Spring 2018
	InfPALS Student Leader	Fall 2016
	University of Edinburgh	

PUBLICATIONS　　[1] **T. Reichelt**, A. Goliński, L. Ong, and T. Rainforth. Expectation Programming. *Advances in Approximate Bayesian Computation (AABI), 2021*

PROGRAMMING	**Most Experience:**	Python, Julia
	Some Experience:	Bash, Matlab, JavaScript, Haskell, C, C++
	Miscellaneous:	PyTorch, NumPy, Git, Docker, pandas, Scikit-learn