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Education	California Institute of Technology Ph.D. in Computation and Neural Sys		201	14 - 2021
	University of Minnesota, Twin Ca B.S. in Physics, Minor in Computer Sc			10 - 2014 stinction
Work Experience	DeepMind London, UK		Research October 2021 -	
	Disney Research Pittsburgh, PA		R&D Lab Associate March 2017 - Ju	
Publications	Learned Feedback & Feedfoward Joseph Marino Ph.D. Thesis	Perception & O	Control	2021
	Beyond Target Networks: Improving Deep Q-Learning with FR 2021 Alexandre Piché, Joseph Marino, Gian Maria Marconi, Chris Pal, Mohammad Emtiyaz Khan arXiv			
	Hierarchical Autoregressive Mode Ruihan Yang, Yibo Yang, Joseph Ma International Conference on Learning	arino, Stephan N	Iandt	2021
	Iterative Amortized Policy Optim Joseph Marino, Alexandre Piché, Al arXiv		Ialongo, Yisong Yue	2020
	Sequential Autoregressive Flow-B Alex Guerra, Joseph Marino ICML INNF Workshop	Based Policies		2020
	Improving Sequential Latent Vari Joseph Marino, Lei Chen, Jiawei He Advances in Approximate Bayesian In	, Stephan Mandt		2019
	Predictive Coding, Variational As Joseph Marino NeurIPS Workshop on Real Neurons &	·	nd Biological Connections	2019
	On the Design of Variational RL Joseph Marino, Alexandre Piche, Yi NeurIPS Deep Reinforcement Learning	song Yue		2019
	An Inference Perspective on Mod Joseph Marino, Yisong Yue ICML Workshop on Generative Model		_	2019
	VAEs with Jointly Optimized Lat Jiawei He, Yu Gong, Joseph Marino International Conference on Learning	, Greg Mori, And	lreas Lehrmann	2019

A General Method for Amortizing Variational Filtering Joseph Marino, Milan Cvitkovic, Yisong Yue Neural Information Processing Systems (NeurIPS)	2
Probabilistic Video Generation using Holistic Attribute Control Jiawei He, Andreas Lehrmann, Joseph Marino, Greg Mori, Leonid Sigal European Conference on Computer Vision (ECCV)	2
Iterative Amortized Inference Joseph Marino, Yisong Yue, Stephan Mandt International Conference on Machine Learning (ICML)	2
CNS 187 - Neural Computation (Teaching Assistant, Guest Lecturer) Lectures: Convolutional Neural Networks, Biological Inspiration	2015 - 2
CS 155 - Machine Learning & Data Mining (Guest Lecturer) Lectures: Intro. to Deep Learning, CNNs & RNNs, Deep Generative Models	2017 – 2
Theory of Biological Computation (Guest Lecturer) Lectures: Predictive Coding	
CS 159 - Special Topics in Machine Learning (Teaching Assistant, Lecturer) Lectures: Intro. to Deep Generative Models, Latent Variable Models, Amortize Model-Based RL	2019-2 ed $Optimizate$
CS 259 - [@ UC Irvine] Deep Generative Models (Guest Lecturer) Lectures: Deep Sequential Latent Variable Models	2019 – 2
Machine Learning: Introduction to Data Mining, Mathematical Modeling, Learning Computation, Machine Learning and Data Mining, Advanced Topics in ing, CIFAR Deep Learning/Reinforcement Learning Summer School 2016 & 20	Machine Lea
Neuroscience Introduction to Neuroscience, Introduction to Computation at tems, Brain Circuits, Topics in Systems Neuroscience, Introduction to Vision Neuroscience, Theory of Biological Computation	
ICLR, NeurIPS, ICML, CVPR, ICCV, ECCV	
NSF GRFP Honorable Mention Kunzel Fellowship, Caltech Dean's List, University of Minnesota Summer Undergraduate Research Fellowship, Caltech Eagle Scout Award, Boy Scouts of America	2 2014 - 2 2010 - 2 2 2

Teaching

Relevant Coursework

Reviewing

Awards