Education	California Institute of Technology (Caltech) Ph.D. in Computation & Neural Systems Pasadena, CA	201	14 - 2021
	University of Minnesota, Twin Cities B.S. in Physics, Minor in Computer Science Minneapolis, MN		0 - 2014 stinction
Work Experience	e DeepMind Research London, UK October 202		Scientist - Present
	Disney Research Pittsburgh, PA	R&D Lab Associate March 2017 – J	,
Preprints	reprints Insights from Generative Modeling for Neural Video Compression Ruihan Yang, Yibo Yang, Joseph Marino, Stephan Mandt arXiv: 2107.13136		2021
	Beyond Target Networks: Improving Deep Q-Learning w Alexandre Piché, Joseph Marino, Gian Maria Marconi, Chris P arXiv: 2106.02613		2021 vaz Khan
Conference Publications	Iterative Amortized Policy Optimization Joseph Marino, Alexandre Piché, Alessandro Davide Ialongo, Y Neural Information Processing Systems (NeurIPS)	Yisong Yue	2021
	Hierarchical Autoregressive Modeling for Neural Video Ruihan Yang, Yibo Yang, Joseph Marino, Stephan Mandt International Conference on Learning Representations (ICLR)	Compression	2021
	VAEs with Jointly Optimized Latent Dependency Struct Jiawei He, Yu Gong, Joseph Marino, Greg Mori, Andreas Lehr International Conference on Learning Representations (ICLR)		2019
	A General Method for Amortizing Variational Filtering Joseph Marino, Milan Cvitkovic, Yisong Yue Neural Information Processing Systems (NeurIPS)		2018
	Probabilistic Video Generation using Holistic Attribute Jiawei He, Andreas Lehrmann, Joseph Marino, Greg Mori, Lec European Conference on Computer Vision (ECCV)		2018
	Iterative Amortized Inference Joseph Marino, Yisong Yue, Stephan Mandt International Conference on Machine Learning (ICML)		2018
Journal Publications	Predictive Coding, Variational Autoencoders, and Biolog Joseph Marino Neural Computation	gical Connections	2022

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	Improving Sequential Latent Variable Models with Autoregressive Flow Joseph Marino, Lei Chen, Jiawei He, Stephan Mandt Machine Learning	s 2021
Selected Workshop Publications	Scale Space Flow with Autoregressive Priors Ruihan Yang, Yibo Yang, Joseph Marino, Stephan Mandt ICLR 2021 Workshop on Neural Compression	2021
	Sequential Autoregressive Flow-Based Policies Alex Guerra, Joseph Marino ICML INNF Workshop	2020
	On the Design of Variational RL Algorithms  Joseph Marino, Alexandre Piché, Yisong Yue  NeurIPS Deep Reinforcement Learning Workshop	2019
	An Inference Perspective on Model-Based Reinforcement Learning Joseph Marino, Yisong Yue  ICML Workshop on Generative Modeling & Model-Based Reasoning	2019
Thesis	Learned Feedback & Feedfoward Perception & Control Joseph Marino Ph.D. Thesis	2021
Teaching	CNS 187 - Neural Computation (Teaching Assistant, Guest Lecturer)  Lectures: Convolutional Neural Networks, Biological Inspiration	2015 - 2016
	CS 155 - Machine Learning & Data Mining (Guest Lecturer)  Lectures: Intro. to Deep Learning, CNNs & RNNs, Deep Generative Models	2017 - 2020
	Theory of Biological Computation (Guest Lecturer)  Lectures: Predictive Coding	2018
	CS 159 - Special Topics in Machine Learning (Teaching Assistant, Lecturer)  Lectures: Intro. to Deep Generative Models, Latent Variable Models, Amortized of Model-Based RL	$2019-2021 \ Optimization,$
	CS 259 - [@ UC Irvine] Deep Generative Models (Guest Lecturer)  Lectures: Deep Sequential Latent Variable Models	2019 - 2020
Reviewing	Conferences  • ICLR: 2021–2022  • NeurIPS: 2019–2021  • ICML: 2019–2021  • CVPR: 2017–2019  • ECCV: 2018  • ICCV: 2017  Journals  • Foundations & Trends in Machine Learning: 2021	
${f A}{ m wards}$	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	$2016 \\ 2014 - 2017 \\ 2010 - 2014 \\ 2013 \\ 2010$