

Joseph L. Marino

jmarino@caltech.edu
joelouismarino.github.io

1200 E. California Blvd., MC 136-93, Pasadena, CA 91125

Education	California Institute of Technology Ph.D. in Computation and Neural Systems	2014 - Present
	University of Minnesota, Twin Cities B.S. in Physics, Minor in Computer Science	2010 - 2014 High Distinction
Recent Work Experience	Disney Research Pittsburgh, PA Generative modeling of spatiotemporal patterns in facial key-point data.	R&D Lab Associate (Intern) March 2017 - June 2017
Representative Publications	A General Method for Amortizing Variational Filtering <i>Joseph Marino, Milan Cvitkovic, Yisong Yue</i> <i>NIPS</i>	2018
	Probabilistic Video Generation using Holistic Attribute Control <i>Jiawei He, Andreas Lehrmann, Joseph Marino, Greg Mori, Leonid Sigal</i> <i>ECCV</i>	2018
	Iterative Amortized Inference <i>Joseph Marino, Yisong Yue, Stephan Mandt</i> <i>ICML</i>	2018
Relevant Coursework	Machine Learning: Introduction to Data Mining, Mathematical Modeling, Learning Systems, Neural Computation, Machine Learning and Data Mining, Advanced Topics in Machine Learning, MILA Deep Learning/Reinforcement Learning Summer School 2016, 2017	
	Neuroscience Introduction to Neuroscience, Introduction to Computation and Neural Systems, Brain Circuits, Topics in Systems Neuroscience, Introduction to Vision	
Teaching	CNS 187 - Neural Computation (Teaching Assistant, Guest Lecturer) <i>Lectures: Convolutional Neural Networks, Biological Inspiration</i>	2015, 2016
	CS 155 - Machine Learning & Data Mining (Guest Lecturer) <i>Lectures: Intro. to Deep Learning, CNNs & RNNs, Deep Generative Models</i>	2017, 2018
Reviewing	CVPR (2017, 2018), ICCV (2017), ECCV (2018)	
Associations	ACM, DOLCIT (Caltech)	
Languages	Python, MATLAB, C++	
ML Libraries	PyTorch, Tensorflow, Keras, Theano, Caffe	
Awards	NSF GRFP Honorable Mention	2016
	Kunzel Fellowship, Caltech	2014 - 2017
	Dean's List, University of Minnesota	2010 - 2014
	Summer Undergraduate Research Fellowship, Caltech	2013
	Eagle Scout Award, Boy Scouts of America	2010