

# Joseph L. Marino

email: jmarino@caltech.edu website: joelouismarino.github.io phone: (651) 468-6441  
address: 1200 E. California Blvd., MC 136-93, Pasadena, CA 91125

<b>Education</b>	<b>California Institute of Technology</b> Ph.D. in Computation and Neural Systems	2014 - Present
	<b>University of Minnesota, Twin Cities</b> B.S. in Physics, Minor in Computer Science	2010 - 2014 High Distinction
<b>Recent Work Experience</b>	<b>Disney Research</b> Pittsburgh, PA	R&D Lab Associate (Intern) March 2017 - June 2017
<b>Publications</b>	<b>VAEs with Jointly Optimized Latent Dependency Structure</b> Jiawei He, Yu Gong, <b>Joseph Marino</b> , Greg Mori, Andreas Lehrmann <i>International Conference on Learning Representations (ICLR)</i>	2019
	<b>A General Method for Amortizing Variational Filtering</b> <b>Joseph Marino</b> , Milan Cvitkovic, Yisong Yue <i>Neural Information Processing Systems (NeurIPS)</i>	2018
	<b>Probabilistic Video Generation using Holistic Attribute Control</b> Jiawei He, Andreas Lehrmann, <b>Joseph Marino</b> , Greg Mori, Leonid Sigal <i>European Conference on Computer Vision (ECCV)</i>	2018
	<b>Iterative Amortized Inference</b> <b>Joseph Marino</b> , Yisong Yue, Stephan Mandt <i>International Conference on Machine Learning (ICML)</i>	2018
<b>Relevant Coursework</b>	<b>Machine Learning:</b> Introduction to Data Mining, Mathematical Modeling, Learning Systems, Neural Computation, Machine Learning and Data Mining, Advanced Topics in Machine Learning, CIFAR Deep Learning/Reinforcement Learning Summer School 2016 & 2017	
	<b>Neuroscience</b> Introduction to Neuroscience, Introduction to Computation and Neural Systems, Brain Circuits, Topics in Systems Neuroscience, Introduction to Vision, Principles of Neuroscience, Theory of Biological Computation	
<b>Teaching</b>	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 &amp; RNNs, Deep Generative Models</i>	2017 – 2019
<b>Reviewing</b>	ICML, CVPR , ICCV , ECCV	
<b>Associations</b>	ACM, DOLCIT (Caltech)	
<b>Languages</b>	Python, MATLAB, C++	
<b>ML Libraries</b>	PyTorch, Tensorflow, Keras, Theano, Caffe	
<b>Awards</b>	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