Joseph L. Marino

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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	R&D Lab Associate (Intern) March 2017 - June 2017

Publications

Variational Latent Dependency Learning   2018
Jiawei He, Yu Gong, **Joseph Marino**, Greg Mori, Andreas Lehrmann
NeurIPS Bayesian Deep Learning Workshop

A General Method for Amortizing Variational Filtering   2018
Joseph Marino, Milan Cvitkovic, Yisong Yue
Neural Information Processing Systems (NeurIPS)

Probabilistic Video Generation using Holistic Attribute Control   2018
Jiawei He, Andreas Lehrmann, **Joseph Marino**, Greg Mori, Leonid Sigal
European Conference on Computer Vision (ECCV)

Iterative Amortized Inference   2018
Joseph Marino, Yisong Yue, Stephan Mandt
International Conference on Machine Learning (ICML)

Relevant Coursework

Machine Learining: 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

Neuroscience 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

Teaching

CNS 187 - Neural Computation (Teaching Assistant, Guest Lecturer)   2015, 2016
Lectures: Convolutional Neural Networks, Biological Inspiration

CS 155 - Machine Learning & Data Mining (Guest Lecturer)   2017, 2018
Lectures: Intro. to Deep Learning, CNNs & RNNs, Deep Generative Models

Reviewing   ICML, CVPR , ICCV , ECCV

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