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 Generative modeling of spatiotemporal patterns in facial key-point data.	R&D Lab Associate (Intern) March 2017 - June 2017
Publications	**Learning to Infer** *ICLR Workshop Track*	2018
	Iterative Inference Models *NIPS Workshop on Bayesian Deep Learning*	2017
Manuscripts	**Taxonomic Curriculum Learning** Taxonomic version of curriculum learning; data labels are trained on in a coarse to fine manner.	2016
	Fine-Grained Classification With Non-Expert Labels Technique for improving fine-grained classification of objects using coarse data labels.	2016

Relevant Coursework	**Machine Learining:** 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) *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, 2018
Reviewing	CVPR (2017, 2018), ICCV (2017)	
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