

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 Bachelor of Science in Physics, Minor in Computer Science	2010 - 2014 High Distinction
Work Experience	Cupitor Consulting St. Paul, MN Handled and analyzed client datasets for business valuation cases using Microsoft Access, Microsoft Excel, and SQL Server.	Data Analyst 2013 - 2014
	University of Minnesota Physics Department Minneapolis, MN Worked directly with students, helping them learn how to solve introductory physics coursework problems.	Tutor Fall 2013
	NOvA Lab Minneapolis, MN Helped design and build neutrino detectors for Fermilab's large-scale NOvA experiment.	Research Assistant 2011 - 2012
Recent Projects	Utilizing Taxonomies in Multi-Class Classification With Prof. Perona and Yue, implemented neural networks with objective functions that incorporate data class taxonomies. In preparation for CVPR 2016.	Fall 2014 - Present
	Classifying Birds From Parts With Prof. Yue, used Caffe to explore human-interpretable deep learning models for learning birds using the North American Birds dataset.	Winter 2015 - Present
	Comparing Macaque IT Face Recognition with Deep Neural Networks With Prof. Tsao, explored connections in face representation between macaque IT cortex and deep convolutional neural networks.	Spring 2015
	Caged Multi-Electrode Arrays With Prof. Pine (Caltech), wrote analysis software and performed experiments stimulating and recording from neurons in caged multi-electrode arrays.	Summer 2013
Relevant Coursework	Machine Learning: Introduction to Data Mining, Mathematical Modeling, Learning Systems, Neural Computation, Machine Learning and Data Mining	
	Neuroscience: Introduction to Neuroscience, Introduction to Computation and Neural Systems, Brain Circuits, Topics in Systems Neuroscience	
Teaching	Teaching Assistant: Neural Computation (Caltech)	Fall 2015
Recognition	Kunzel Fellowship, Caltech	2014 - 2015
	Dean's List, University of Minnesota	2010 - 2014
	Summer Undergraduate Research Fellowship, Caltech	2013
	Eagle Scout Award, Boy Scouts of America	2010