

Rahul Nadkarni

PERSONAL INFORMATION	Email: rahuln@cs.washington.edu Website: http://rahuln.io LinkedIn: rahulsnadkarni Github: rahuln	RESEARCH INTERESTS	machine learning artificial intelligence computational neuroscience
EDUCATION	University of Washington <i>Ph.D. student, Computer Science & Engineering</i> <i>M.S. Computer Science & Engineering, 2017</i> Advisor: Emily Fox		September 2015 – present
	University of California, Berkeley <i>B.S. Electrical Engineering & Computer Science</i> <i>B.S. Bioengineering</i>		August 2011 – May 2015
PUBLICATIONS	Nicholas J. Foti, Rahul Nadkarni , Adrian KC Lee, and Emily B. Fox. Sparse plus low-rank graphical models of time series for functional connectivity in MEG. <i>2nd SIGKDD Workshop on Mining and Learning from Time Series</i> , 2016.		
TALKS	Sparse plus low-rank graphical models of time series for functional connectivity in MEG. <i>2nd SIGKDD Workshop on Mining and Learning from Time Series</i> , August 14th, 2016.		
RESEARCH EXPERIENCE	Graduate Student Researcher <i>University of Washington</i>		September 2015 – present
	Researching machine learning for time series data, advised by Emily Fox. Currently working on graphical models of time series applied to neuroimaging data to learn functional connectivity networks in the brain. Developed alternating direction method of multipliers (ADMM) and proximal-Newton optimization algorithms in Python for solving a new proposed convex formulation from data.		
	Undergraduate Research Assistant <i>University of California, Berkeley</i>		November 2012 – December 2014
	Worked in a brain-machine interface (BMI) systems and neural engineering lab, advised by Jose Carmena. Collaborated with researchers studying neural control of movement to develop better neural prosthetics. Projects involved using signal processing, statistical analysis, and machine learning techniques to study brain activity.		
TEACHING EXPERIENCE	Teaching Assistant , Introduction to Artificial Intelligence <i>University of Washington</i>		March 2016 – June 2016
	Teaching Assistant , Data Structures and Algorithms <i>University of Washington</i>		September 2015 – March 2016
SELECTED COURSEWORK	Convex Optimization Machine Learning for Big Data Graphical Models	Statistical Inference Natural Language Processing Computer Vision	Artificial Intelligence Computational Neuroscience Database Systems
SKILLS	Languages: Python, Java (proficient); C, C++, Matlab, BASH scripting (working knowledge) Tools: Git/Github, Amazon EC2/AWS, L ^A T _E X, Hadoop		
HONORS & MEMBERSHIPS	Honorable Mention, NSF Graduate Research Fellowship Program Dean's Honors List, UC Berkeley Member, Eta Kappa Nu IEEE Honor Society, UC Berkeley (Mu Chapter)		2017 January 2012 – May 2015 January 2013