Priyank Jaini

CONTACT
INFORMATION

200 University Avenue West
University of Waterloo

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EDUCATION

University of Waterloo   Fall 2015 - present
Ph.D. in Computer Science
Advised by Prof. Pascal Poupart
GPA : 91.50%

Indian Institute of Technology, Kanpur   2010 - 2015
M.Sc.(Integrated) in Mathematics and Statistics
GPA : 8.4/10

PUBLICATIONS

Accuracy Maximization Analysis for Natural Tasks with Class-Conditional Gaussian distributions
Priyank Jaini, Johannes Burge
Advances in Neural Information Processing Systems (NIPS) 2016
under review

Accuracy Maximization Analysis for Natural Tasks and Principles of Multiplicative Noise and Filter Correlation in Neural Coding
Johannes Burge, *Priyank Jaini*
Public Library of Science - Computational Biology (PLoS) 2016
under review

Online Algorithms for Sum-Product Networks with Continuous Variables
Priyank Jaini, Abdullah Rashwan, Han Zhao, Yue Liu, Ershad Banijamali, Chen Zhitang and Pascal Poupart
International Conference on Probabilistic Graphical Models 2016
under review

INTERNSHIPS

University of Pennsylvania   Summer 2015
Research Assistant, Neuroscience Group
Mentored by Dr.Johannes Burge
Developed mathematical tools enabling characterization of task-relevant properties of natural stimuli.

University of Waterloo   Summer 2014
Research Assistant, Artificial Intelligence Lab
Mentored by Dr.Pascal Poupart
Developed tractable Bayesian algorithm for parameter estimation of Gaussian Mixture Models.

Kyoto University   Summer 2013
Research Assistant, Department of Systems Science
Mentored by Dr.Shin-ichi Maeda
Developed probabilistic method for fast and robust recognition of QR codes.

TEACHING
EXPERIENCE

CS 234 : Data Types and Structures   Fall 2015
Teaching Assistant

CS 486/686 : Machine Learning   Winter 2016
Teaching Assistant