MATT J. KUSNER

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EDUCATION

Cornell University *Present*
Visiting Ph.D. student in Dept. of Computer Science
Advisor: Kilian Q. Weinberger

Washington University in St. Louis *Present*
Ph.D. candidate in Dept. of Computer Science & Engineering
Advisor: Kilian Q. Weinberger

Ph.D. 5th year, completing May 2016, GPA: 3.90

Macalester College *May 2011*
B.A. in Computer Science, B.A. in Mathematics
Member of Phi Beta Kappa

Magna Cum Laude, GPA: 3.84

PUBLICATIONS

Preprints

Jacob Gardner∗, Matt J. Kusner∗, Yixuan Li, Paul Upchurch, Kilian Q. Weinberger, John Hopcroft
Deep Manifold Traversal: Changing Labels with Convolutional Features
November, 2015
∗ indicates equal contribution

Conference Publications

Matt J. Kusner, Yu Sun, Karthik Sridharan, Kilian Q. Weinberger
Inferring the Causal Direction Privately
Artificial Intelligence and Statistics (AISTATS), 2016

Gustavo Malkomes, Matt J. Kusner, Wenlin Chen, Kilian Q. Weinberger, Benjamin Moseley
Fast Distributed k-Center Clustering with Outliers on Massive Data
Neural Information Processing Systems (NIPS), 2015

Matt J. Kusner, Yu Sun, Nicholas I. Kolkin, Kilian Q. Weinberger
From Word Embeddings to Document Distances
International Conference on Machine Learning (ICML), 2015

Matt J. Kusner, Jacob R. Gardner, Roman Garnett, Kilian Q. Weinberger
Differentially Private Bayesian Optimization
International Conference on Machine Learning (ICML), 2015

Matt J. Kusner, Wenlin Chen, Quan Zhou, Zhixiang (Eddie) Xu, Kilian Q. Weinberger, Yixin Chen
Feature-Cost Sensitive Learning with Submodular Trees of Classifiers

AAAI Conference on Artificial Intelligence (AAAI), 2014

Matt J. Kusner, Stephen Tyree, Kilian Q. Weinberger, Kunal Agrawal
Stochastic Neighbor Compression
International Conference on Machine Learning (ICML), 2014

Jacob R. Gardner, Matt J. Kusner, Zhixiang (Eddie) Xu, Kilian Q. Weinberger, John P. Cunningham
Bayesian Optimization with Inequality Constraints
International Conference on Machine Learning (ICML), 2014

Zhixiang (Eddie) Xu, Matt J. Kusner, Gao Huang, Kilian Q. Weinberger
Anytime Feature Learning
International Conference on Machine Learning (ICML), 2013

Zhixiang (Eddie) Xu, Matt J. Kusner, Kilian Q. Weinberger, Minmin Chen
Cost-Sensitive Tree of Classifiers
International Conference on Machine Learning (ICML), 2013

Journal Publications

Mrinal Pahwa, Matt J. Kusner, Carl Hacker, David Bundy, Kilian Q. Weinberger, Eric Leuthardt
Optimizing the Detection of Wakeful and Sleep-Like States for Future Electrocorticographic Brain Computer Interface Applications
PLOS ONE Journal, 2015

Zhixiang (Eddie) Xu, Matt J. Kusner, Kilian Q. Weinberger, Minmin Chen, Olivier Chapelle
Classifier Cascades and Trees for Minimizing Feature Evaluation Cost
Journal of Machine Learning Research (JMLR), 2014

PROFESSIONAL ACTIVITIES

ICML Workshop on Resource-Efficient Machine Learning	July 2015
Co-organizer	*Lille, France*

Talk: **Dynamic Classification under Test-Time Budgets**

ICML Workshop on Learning with Test-Time Budgets	June 2013
Co-organizer	*Atlanta, GA*

Talk: **Anytime Representation Learning**

Workflow Chair: ICML2016

Program Committee: ICML2015, KDD2015, NIPS2015

AWARDS

Konhauser Award for Mathematical Achievement	May 2011
Macalester College	*St. Paul, MN*

· "In recognition of an outstanding academic record coupled with a demonstrated dedication to and interest in mathematics."