

MIN XIAO

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OBJECTIVE

Data-Driven & Analytic-Centered Applied Researcher/Scientist

SUMMARY

- 4+ years of research experience in **Machine Learning & Natural Language Processing**
- 10+ papers published in top journal & conferences (*e.g.*, **T-PAMI, NIPS, ICML, AAAI, ACL**)

EDUCATION

- PhD in Computer and Information Sciences** 01/11 - **09/15**
Temple University (expected)
GPA: **3.8/4.0**
- BS in Computer Science and Technology** 09/06 - 06/10
Dalian University of Technology, China
GPA: **3.7/4.0**
Ranking: **2/171**

AWARDS

- Student Travel Award in Conference on Natural Language Learning (CoNLL) 06/14
- Student Travel Award in SIAM International Conference on Data Mining (SDM) 04/14
- Student Volunteer Award in Conference on Empirical Methods on NLP (EMNLP) 10/13
- Student Volunteer Award in International Conference on Machine Learning (ICML) 06/13
- Outstanding Graduate Student Fellowship 03/10
- National Scholarship 11/07

EXPERIENCE

- Summer Intern - Bell Labs/CTO Researcher**, Murray Hill, NJ 06/15 - Present
- Task-Oriented *Information Extraction* from Unstructured Noisy Data
 - User *Behavior/Intent Analysis* with Mobility Data
- Research Assistant - Temple University**, Philadelphia, PA 01/11 - 05/15
- Learning Representations of Language for Domain Adaptation (NSF grant IIS-1065397)
 - Induced representations based on statistical machine learning models (*e.g.*, *deep neural networks*, *probabilistic graphical models*, *neural probabilistic language models*)
 - Employed representations to boost NLP tasks' (*e.g.*, *sentiment analysis*, *named entity recognition*, *dependency parsing*) performance
 - Predictive Modeling on Non-Independent and Identically Distributed (Non-IID) Data
 - Developed *machine learning* algorithms based on techniques (*e.g.*, *ensemble learning*, *multi-view learning*, *sparse learning*) with *heterogeneous* resources
 - Developed prediction models with *limited labeled* data in scenarios (*e.g.*, *online learning*, *active learning*, *transfer learning*)
- Teaching Assistant - Temple University**, Philadelphia, PA 01/12 - 12/14
- Computational Probability and Statistics
 - Database and File Management Systems
 - Data Structures and Algorithms

SKILLS

- Python (expert), Matlab (expert), PHP (prior experience), HTML (prior experience)
- Java (proficient), C (proficient), C++ (prior experience), C# (prior experience)
- SQL (prior experience), MySQL (prior experience), Oracle (prior experience)

SERVICES

- Conference/Journal Reviewer, ICCCT-13 & BigData-13 & BigData-14 & JAIR-15
- Sun Campus Ambassador, Sun Microsystems (China) Co., Ltd. 07/08 - 07/09
- President of Information & Technology Association of DUT 09/07 - 07/09

PUBLICATIONS

Journal

- Min Xiao and Yuhong Guo. Feature Space Independent Semi-Supervised Domain Adaptation via Kernel Matching. In *IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI)*, 37:1:54-66, 2014.

Conference

- Min Xiao and Yuhong Guo. Learning Hidden Markov Models with Distributed State Representations for Domain Adaptation. To appear in *the Annual Meeting of the Association for Computational Linguistics (ACL)*, 2015.
- Min Xiao and Yuhong Guo. Semi-Supervised Subspace Co-Projection for Multi-Class Heterogeneous Domain Adaptation. To appear in *the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD)*, 2015.
- Min Xiao and Yuhong Guo. Semi-Supervised Matrix Completion for Cross-Lingual Text Classification. In *Proceedings of the National Conference on Artificial Intelligence (AAAI)*, 2014.
- Min Xiao and Yuhong Guo. Distributed Word Representation Learning for Cross-Lingual Dependency Parsing. In *Proceedings of the Conference on Natural Language Learning (CoNLL)*, 2014.
- Min Xiao and Yuhong Guo. A Novel Two-Step Method for Cross Language Representation Learning. In *Advances in Neural Information Processing Systems (NIPS)*, 2013.
- Min Xiao and Yuhong Guo. Domain Adaptation for Sequence Labeling Tasks with a Probabilistic Language Adaptation Model. In *Proceedings of the International Conference on Machine Learning (ICML)*, 2013.
- Min Xiao, Feipeng Zhao and Yuhong Guo. Learning Latent Word Representations for Domain Adaptation using Supervised Word Clustering. In *Proceedings of the Conference on Empirical Methods on Natural Language Processing (EMNLP)*, 2013.
- Min Xiao and Yuhong Guo. Semi-Supervised Kernel Matching for Domain Adaptation. In *Proceedings of the National Conference on Artificial Intelligence (AAAI)*, 2012.
- Min Xiao, Yuhong Guo and Alexander Yates. Semi-Supervised Representation Learning for Domain Adaptation using Dynamic Dependency Networks. In *Proceedings of the International Conference on Computational Linguistics (COLING)*, 2012.