

# XIN LI

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## RESEARCH INTERESTS

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- Machine Learning (Active Learning, Probabilistic Graphical Model, etc)
- Computer Vision (Image and Video Analysis, Object Recognition, Tracking, etc.)
- Pattern Recognition (Multi-label Classification, Multi-class Classification, etc.)
- Data Mining (Clustering, Anomaly Detection, Large-scale Learning etc.)

## WORK EXPERIENCE

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### **Prin. Data Scientist at Adelphic (Aquired by Viant)**

*March 2017 -Present*

*Location:* Waltham, MA

- Formulate business problems into machine learning models and prototype before platform-wide deployment.
- Lead and guide a group of algorithm developers and data scientists on relative projects.
- Effectively communicate and collaborate within and across teams.

### **Sr. Data Scientist at Adelphic Mobile**

*June 2015 -February 2017*

*Location:* Waltham, MA

- Develop advanced machine learning algorithms that optimize the business needs.
- Collaborate with software engineers and data analysts to get new algorithms deployed.

## EDUCATION

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### **Temple University**

*August 2011 - December 2015*

Ph.D. student in Computer & Information Science

Member of Center for Data Analytics and Biomedical Informatics

Adviser: Dr. Yuhong Guo

### **SUNY at Buffalo**

*August 2009 - June 2011*

M.S. student in Computer Science & Engineering

Member of Vision and Perceptual Machine Lab

Adviser: Dr. Jason Corso

### **Wuhan University**

*September 2005 - June 2009*

B.S. student in Software Engineering

Adviser: Dr. Hongbin Dong

## AWARDS

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**Bronze Award, Future of Computing 2015**

*April 2015*

**SIAM Travel Grant for SDM 2014**

*April 2014*

**IEEE Travel Grant for CVPR 2013**

*June 2013*

Annual Outstanding Graduate Teaching Assistant Award

April 2013

Teaching Assistant Fellowship of Temple University

August 2012 - June 2015

Research Assistant Fellowship of Temple University

August 2011 - June 2015

## ACADEMIC SERVICE

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Program Committee Member of Association for the Advancement of Artificial Intelligence (AAAI) Conference 2018

Program Committee Member of Asian Conference on Machine Learning (ACML) 2017

Invited Reviewer of IEEE Transaction on Image Processing 2017

Program Committee Member of International Joint Conference on Artificial Intelligence (IJCAI) 2016, 2017

Invited Reviewer of IET Computer Vision 2016

Invited Reviewer of Elsevier Journal Information Fusion 2016

Invited Reviewer of Elsevier Journal Neurocomputing 2015

Invited Reviewer of IEEE Transactions on Cybernetics 2013

Invited Reviewer of IEEE International Conference on CAD/Graphics Special Section of Computers & Graphics 2013

## SELECTED PUBLICATION

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1. Xin Li, Yuhong Guo, D. Schuurmans *Semi-Supervised Zero-Shot Classification with Label Representation Learning*, International Conference on Computer Vision (ICCV), Santiago, 2015.
2. Xin Li, Yuhong Guo, *Multi-label Classification with Feature-aware Non-linear Label Space Transformation*, International Joint Conference of Artificial Intelligence (IJCAI), Buenos Aires, 2015.
3. Xin Li, Yuhong Guo, *Max-Margin Zero-Shot Learning for Multi-class Classification*, Artificial Intelligence and Statistics (AISTATS), San Diego, 2015.
4. Xin Li, Feipeng Zhao, Yuhong Guo, *Conditional Restricted Boltzmann Machines for Multi-label Learning with Incomplete Labels*, Artificial Intelligence and Statistics (AISTATS), San Diego, 2015.
5. Xin Li, Yuhong Guo, *Multi-level Adaptive Active Learning for Scene Classification*, European Conference on Computer Vision (ECCV), Zurich, 2014.
6. Xin Li, Yuhong Guo, *Bi-Directional Representation Learning for Multi-label Classification*, European Conference on Machine Learning (ECML), Nancy, 2014.
7. Xin Li, Feipeng Zhao, Yuhong Guo, *Multi-label Image Classification with A Probabilistic Label Enhancement Model*, Uncertainty in Artificial Intelligence (UAI), Quebec City, 2014.
8. Xin Li, Yuhong Guo, *Latent Semantic Representation Learning for Scene Classification*, International Conference on Machine Learning (ICML), Beijing, 2014.
9. Xin Li, Yuhong Guo, *Active Learning with Multi-label SVM Classification*, In Proceedings of International Joint Conference of Artificial Intelligence (IJCAI), Beijing, 2013.
10. Xin Li, Yuhong Guo, *Adaptive Learning for Image Classification*, In Proceedings of Conference on Computer Vision and Pattern Recognition (CVPR), Portland, 2013.
11. Xin Li, Yuhong Guo, *An Object Co-occurrence Assisted Hierarchical Model for Scene Understanding*, In Proceedings of British Machine Vision Conference (BMVC), Guildford, 2012.