

Lei Le

CONTACT INFORMATION	Cubicle 3061W, Luddy Hall 700 N Woodlawn Ave Bloomington, IN 47408	http://leile26.github.io leile@iu.edu
RESEARCH INTERESTS	Statistical Machine Learning, particularly representation learning via regularized dictionary learning; Optimization, particularly non-convex optimization; Reinforcement learning, particularly sparse coding for states and policy learning for continuous actions	
EDUCATION	Indiana University , Bloomington, IN, United States Ph.D, Computer Science, Aug 2013 to (Expected) March 2019 • Advisor: Martha White, Ph.D Tongji University , Shanghai, China Master of Management Science, Information Management and Information System, Sep 2010 to Mar 2013 East China Normal University , Shanghai, China Bachelor of Management Science, Information Management and Information System, Sep 2006 to Jun 2010	
WORK EXPERIENCE	Software Engineering Intern PhD Google, New York City Office Research and Machine Intelligence Group Mentor: Ariel Kleiner, Ph.D	Sep 2018 to Present
RESEARCH EXPERIENCE	Research Assistant Department of Computer Science, Indiana University Bloomington Supervisor: Martha White, Ph.D	Aug 2015 to Sep 2018
TEACHING EXPERIENCE	Associate Instructor CSCI-B554: Probabilistic Approaches to Artificial Intelligence at Indiana University Bloomington Associate Instructor CSCI-B561: Advanced Database Concepts at Indiana University Bloomington Associate Instructor CSCI-A110: Introduction to Computers and Computing	Spring 2015 Fall 2014 Spring 2014 & Fall 2013
MANUSCRIPTS	1. Lei Le , Ajin Joseph and Martha White. Global Optimization Geometry for Induced Matrix Factorization. 2. Lei Le and Martha White. Identifying global optimality for dictionary learning.	
PUBLICATIONS	1. Lei Le , Andrew Patterson, and Martha White. Supervised autoencoders: Improving generalization performance with unsupervised regularizers. (Accepted by NIPS 2018) 2. Lei Le , Raksha Kumaraswamy, and Martha White. Learning sparse representations in reinforcement learning with sparse coding. In Proceedings of the Twenty-Sixth International Joint Conference on Artificial Intelligence, IJCAI-17, pages 2067–2073, 2017	

3. **Lei Le**, Emilio Ferrara, and Alessandro Flammini. On predictability of rare events leveraging social media: A machine learning perspective. In Proceedings of the 3rd ACM Conference on Online Social Networks (COSN'15), Palo Alto, CA, USA, November 2015.

PRESENTATIONS 1. Learning Sparse Representations for Reinforcement Learning. AI seminar at University of Alberta, March 29, 2018

SERVICES Reviewer for AAAI, IJCAI, ICML