

## Lei Le

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CONTACT INFORMATION	Cubicle 3061W, Luddy Hall 700 N Woodlawn Ave Bloomington, IN 47408	<a href="http://leile26.github.io">http://leile26.github.io</a> leile@indiana.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	
EDUCATION	<b>Indiana University</b> , Bloomington, IN, United States Ph.D, Computer Science, Aug 2013 to present • Advisor: Martha White, Ph.D <b>Tongji University</b> , Shanghai, China Master of Management Science, Information Management and Information System, Sep 2010 to Mar 2013 <b>East China Normal University</b> , Shanghai, China Bachelor of Management Science, Information Management and Information System, Sep 2006 to Jun 2010	
RESEARCH EXPERIENCE	<b>Research Assistant</b> Department of Computer Science, Indiana University Bloomington Supervisor: Martha White, Ph.D	Aug 2015 to present
TEACHING EXPERIENCE	<b>Associate Instructor</b> CSCI-B554: Probabilistic Approaches to Artificial Intelligence at Indiana University Bloomington <b>Associate Instructor</b> CSCI-B561: Advanced Database Concepts at Indiana University Bloomington <b>Associate Instructor</b> CSCI-A110: Introduction to Computers and Computing	Spring 2015 Fall 2014 Spring 2014 & Fall 2013
MANUSCRIPTS	<ol style="list-style-type: none"><li>1. <b>Lei Le</b>, Andrew Patterson, and Martha White. Effectively using dictionary learning to improve prediction accuracy, In submission to IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI).</li><li>2. <b>Lei Le</b> and Martha White. Identifying global optimality for dictionary learning. In submission to Journal of Machine Learning Research (JMLR).</li></ol>	
PUBLICATIONS	<ol style="list-style-type: none"><li>1. <b>Lei Le</b>, 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</li><li>2. <b>Lei Le</b>, 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.</li></ol>	