Anshumali S	hrivastava
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Interests	Large Scale Machine Learning, Randomized Algorithms for Big Data, Graph Mining, Infor- mation Retrieval, Hashing and Sketching.
Education	Cornell University, Ithaca, New York, USA (2010-Present)
	 Ph.D. student, Computer Science (Grad Minor: Applied Math) Advisor: Prof. Ping Li Thesis: Probabilistic Hashing Algorithms for Large Scale Search and Learning GPA: 4.0 (A+ = 4.3) Best Paper Award NIPS 2014 Best Paper Award ASONAM 2014
	 Indian Institute of Technology (IIT), Kharagpur, West Bengal, India (2003-2008) Integrated B.Sc.(H) and M.Sc., Mathematics and Computing Advisor: Prof. Somesh Kumar Thesis: Analysis of Email Traffic and Content Independent Spam Identification Institute Silver Medal for being Rank 1 in the program.
Professional Experience	 Microsoft Research (MSR) Redmond, WA, USA (May 2014- August 2014) Research Intern Mentors: Dr. Misha Bilenko, Dr. Christian Konig, Vishal Joshi Learning with counts in presence of temporal drift.
	FICO (Fair Issac) Core Research Team, Bangalore, India (2008-2010)
	 Analytic Software Scientist Team: Dr. Stuart Crawford, Navin Doshi, Prasun Kumar. Segmentation tree induction and pruning (STIP) algorithm for fast automatic discovery of heterogeneous user segments
Teaching Experience	Cornell University, Ithaca, NY, USA (2010-present)
	 Teaching Assistant, Computer Science Department CS 4740: Introduction to Natural Language Processing, Spring 2011 CS 4700: Foundations of Artificial Intelligence, Fall 2010 CS 4701: Practicum in Artificial Intelligence, Fall 2010 (Head Teaching Assistant)
Awards and Honors	• Best Paper Award in Neural Information Processing System (NIPS) 2014 Conference.
	• Best Paper Award in IEEE/ACM International Conference on Advances in Social Network Analysis and Mining (ASONAM 2014)
	• FICO Spot Award, 2009 and 2010.
	• IIT Kharagpur Silver Medal, 2008.
	• J.C. Gosh Memorial Endowment Prize from IIT Kharagpur, 2007.
	• DMMS Scholarship from IIT Kharagpur, 2003.
	• Placed 5^{th} in National Science Olympiad (NSO), 2002
	• Regional Mathematics Olympiad (RMO) (Maharashtra Region), 2000 and 2001.
	• 1^{st} position in Maharashtra Talent Search Examination (MTSE), 1999.

Published Papers	Shrivastava, A. and Li, P. AAsymmetric Minwise Hashing for Indexing Binary Inner Prod- ucts and Set Containment WWW 2015
	Shrivastava, A. and Li, P. Asymmetric LSH (ALSH) for Sublinear Time Maximum Inner Product Search (MIPS). NIPS 2014 (Best Paper Award).
	Shrivastava, A. and Li, P. A New Space for Comparing Graphs. IEEE/ACM ASONAM 2014 (Best Paper Award).
	Shrivastava, A. and Li, P. Improved Densification of One Permutation Hashing. UAI 2014.
	Shrivastava, A. and Li, P. Densifying One Permutation Hashing via Rotation for Fast Near Neighbor Search. ICML 2014.
	Li, P., Mitzenmacher, M., and Shrivastava, A. Codings for Random Projections. ICML 2014.
	Shrivastava, A. and Li, P. In Defense of Minhash over Simhash. AISTATS 2014.
	Shrivastava, A. and Li, P. Beyond Pairwise: Provably Fast Algorithms for Approximate k- Way Similarity Search. NIPS 2013 .
	Shrivastava, A. and Li, P. Fast Near Neighbor Search in High-Dimensional Binary Data. ECML/PKDD 2012. (Among top papers invited for journal submission)
	Sun, X., Shrivastava, A. and Li, P. Fast multi-task learning for query spelling correction. CIKM 2012.
	Li, P., Shrivastava, A. and Konig, A. C. <i>GPU-based minwise hashing.</i> WWW (Companion Volume) 2012.
	Sun, X., Shrivastava, A. and Li, P. Query spelling correction using multi-task learning. WWW (Companion Volume) 2012.
	Li, P., Shrivastava, A., Moore, J. L. and Konig, A. C. Hashing Algorithms for Large-Scale Learning. NIPS 2011.
Work Under Submission	Shrivastava, A. and Li, P. Improved Asymmetric Locality Sensitive Hashing (ALSH) for Maximum Inner Product Search (MIPS)
In Preparation	Fast Hashing for Conflict Casualties in Syria
	Adaptive Sketches for Summarizing Temporal Data Streams
Additional Technical Reports	Shrivastava, A. and Li, P. Graph Kernels via Functional Embedding. 2014
	Li, P., Mitzenmacher, M. and Shrivastava, A. Coding for Random Projections and Approx- imate Near Neighbor Search. 2014
	Li, P., Shrivastava, A. and Konig, A. C. b-Bit Minwise Hashing in Practice: Large-Scale Batch and Online Learning and Using GPUs for Fast Preprocessing with Simple Hash Func- tions. 2012
	Li, P., Shrivastava, A. and Konig, A. C. Training Logistic Regression and SVM on 200GB Data Using b-Bit Minwise Hashing and Comparisons with Vowpal Wabbit (VW). 2011

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2. Dr. Mikhail Bilenko Email: mbilenko@microsoft.com Affiliation: Microsoft Research
3. Dr. Christian Konig Email: chrisko@microsoft.com Affiliation: Microsoft Research
4. Prof. Thorsten Joachims Email: tj@cs.cornell.edu Affiliation: Cornell University

OtherAdmin for Machine learning discussion group, Cornell, 2012-presentActivitiesMentor for Fresher's Training at FICO Research Bangalore, 2009President of Mathematics Colloquium, IIT Kharagpur, 2007-08Captain of R. P. Hall of Residence Chess Team, IIT Kharagpur, 2005-08Award of Excellence and Hall Color in Chess, IIT Kharapur, 2006