

Aonan Zhang

Contact Information	FIT 4-504 Tsinghua University Beijing, China	email : szyagn@gmail.com website : www.ml-thu.net/aonan mobile: +86-13717959427
Research Interests	Latent variable models, Bayesian nonparametric approach, sparse learning in high dimensions, scalable inference methods	
Education	Tsinghua University , Beijing, China	
	M.S., Computer Science and Technology,	08/2012 – 07/2014 (<i>expected</i>)
	• Thesis Proposal: <i>Max-Margin Infinite Hidden Markov Models</i> • Supervisor: Prof. Jun Zhu	
	Tsinghua University , Beijing, China	
	B.S., Computer Science and Technology,	08/2008 – 07/2012
	• Thesis Topic: <i>Sparse Online Topic Models and Extensions</i> • Supervisor: Prof. Jun Zhu	
Research Experience	State Key Laboratory of Intelligent Technology and Systems, Tsinghua University	
	Large Margin Bayesian Nonparametric Methods for Sequential Data	
	Research Assistant, Supervisor: Prof. Jun Zhu	05/2013 – present
	Extended infinite HMMs into a discriminant learning framework; Proposed methods to explore more complex dynamics in data; Conducted experiments; Wrote a paper.	
	Sparse Learning in High Dimensions and Scalable Inference Algorithms	
	Research Assistant, Supervisor: Prof. Jun Zhu	02/2012 – 04/2013
	Derived theory and algorithms for online sparse topic models; Proposed and tested new latent feature models for collaborative filtering and for link prediction; Conducted experiments; Wrote two papers.	
	Institute of HCI and Media Integration, Tsinghua University	
	Street View Image Classification	
	Research Assistant, Supervisor: Prof. Lifeng Sun	06/2011 – 10/2011
	Proposed new methods to train codebooks for SIFT features; Conducted experiments.	
	Video Processing and Understanding	
	Research Assistant, Supervisor: Prof. Linmi Tao	02/2011 – 06/2011
	Assisted a PhD candidate to compare over several methods for object recognition in videos.	
Conference Papers	1. Aonan Zhang, Jun Zhu, and Bo Zhang. “Sparse Relational Topic Models for Document Networks.” In Proc. of the 23rd European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Prague, 2013. (ECML/PKDD 2013) 2. Aonan Zhang, Jun Zhu, and Bo Zhang. “Sparse Online Topic Models.” In Proc. of the 22nd International World Wide Web Conference, Rio de Janeiro, Brazil, 2013. (WWW 2013)	
Submitted Conference Papers	1. Aonan Zhang, Jun Zhu, and Bo Zhang. “Max-Margin Infinite Hidden Markov Models.” Submitted to ICML. 2. Fei Xia, Ning Chen, Jun Zhu, Aonan Zhang, and Xiaoming Jin. “Max-Margin Latent Feature Relational Models for Entity-Attribute Networks.” Submitted to SDM.	

Book Chapters	1. Jun Zhu, Aonan Zhang , and Eric P. Xing. “Sparse Topical Coding.” <i>Machine Learning and Its Applications</i> , Tsinghua University Press, 2013.	
Presentations	Plenary	
	• International World Wide Web Conference, Rio De Janeiro, Brazil	09/2013
	• European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases, Prague, Czech Republic	05/2013
Teaching Experience	Teaching Assistant	
	• Advanced Machine Learning Instructors: Prof. Jie Tang and Prof. Jun Zhu	09/2013 – present
	• Machine Learning Instructors: Dr. Kai Yu and Prof. Tong Zhang	08/2012
Professional Activities	Web Master, ICML 2014	08/2013 – present
	• Design the web pages for the incoming International Conference on Machine Learning (ICML) held in Beijing.	
	• Update important information (submission, program committee members, etc.).	
	• Server management.	
Honors and Awards	• National Scholarship, First-Class, Tsinghua University (top 4%)	10/2013
	• Excellent Undergraduate Thesis Award (top 6%)	06/2012
Additional Information	GPA	
	• 86.1/100 (Undergraduate), 88.0/100 (Graduate)	
	Computer Skills	
	• Languages/Tools: C/C++, C#, Java, Python, HTML, Matlab, R, $\text{\LaTeX}$	
	English	
	• GRE: 510 (Verbal Reasoning), 800 (Quantitative Reasoning), 3.0 (Analytical Writing)	
	• TOEFL iBT: 106 (Total), 26 (Reading), 30 (Listening), 26 (Speaking), 24 (Writing)	