

Hao He

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EDUCATION	Massachusetts Institute of Technology, Cambridge, MA Ph.D. Candidate • Advisor: Prof. Dina Katabi	2017 - present
	Peking University, China B.S., Computer Science • Major GPA: 3.93/4.00 (rank 1st)	2013 - 2017
EXPERIENCE	Research Assistant, MIT Advisor: Prof. Dina Katabi Project: Machine Learning Method in Radio Frequency Sensing for Health Care • Develop RF based fall detection system using deep learning architecture. • Develop RF based multiple people breathing monitoring system. • Analyze properties of a framework for health states prediction via EEG signals.	Sep 2017 to Present
	Research Intern, Microsoft Research Mentor: David Wipf Project: Deep Learning Based Sparse Bayesian Learning Method • Develop novel deep learning architectures that mimic and outperform Sparse Bayesian Learning algorithm. Mentor: Stephen Lin Project: White Box Photo Post-Processing Framework • Design experiments to evaluate our system performance on album style learning, photo quality enhancing, filter reverse engineering.	Sep 2016 to Aug 2017
	Research Intern, Stanford University Advisor: Leonidas J. Guibas Project: 3D Shape Estimation via Single Image • Design Generative Adversarial Networks framework to learn 3D shape distribution condition on single observation.	June 2016 to Sep 2016
	• Hao He , Bo Xin, Satoshi Ikehata, David Wipf, "From Bayesian Sparsity to Gated Recurrent Nets", Conference on Neural Information Processing Systems (NIPS) 2017. <i>Oral presentation</i> • Yuanming Hu, Hao He , Chenxi Xu, Baoyuan Wang, Stephen Lin, "Exposure: A White-Box Photo Post-Processing Framework", ACM Transactions on Graphics.	
COURSES	• System: Computer Network (6.892) (A+) • AI: Algorithm for Inference (6.438) (A), Information and Inference (6.437) (taking), Bayesian Modelling and Inference (6.882) (taking).	
AWARDS	• •	