

Tianfan Fu

CONTACT INFORMATION	Room 3-503, SEIEE Building Department of Computer Science Shanghai, China <i>Voice:</i> +86 18817554315	800 Dongchuan Road, Minhang District Shanghai Jiao Tong University <i>Email:</i> futianfan@gmail.com <i>Homepage:</i> futianfan.github.io
RESEARCH INTERESTS	Machine Learning, Natural Language processing, Deep Learning, Speech Processing, Bayesian Statistics.	
EDUCATION	Shanghai Jiao Tong University (SJTU) , Shanghai, CHINA M.S., Advisor: Zhihua Zhang , Computer Science and Technology, Sept 2015 - April 2018. Shanghai Jiao Tong University (SJTU) , Shanghai, CHINA B.E., Electronics and Electric Engineering (IEEE Honor Class), Sept 2011 - June 2015.	
RESEARCH EXPERIENCE	Research Assistant , Speech Lab, Shanghai Jiao Tong University (SJTU) Advisor: Kai Yu , June 2013 - Jan 2015. Research topic: application of deep learning on speech recognition and speaker verification. Research Assistant , Learning and Optimization Group, Shanghai Jiao Tong University (SJTU) Advisor: Zhihua Zhang , Feb 2015 - June 2017. Research topic: Bayesian computation and inference.	
INDUSTRY EXPERIENCE	Intern , Dialogue System Group, Alibaba, Hangzhou, China Project: task-oriented Dialogue system, May 2017 - Sept 2017 Research Intern , Machine Learning Group, Disney Research Institute, Pittsburgh Advisor: Cheng Zhang & Stephan Mandt , Sept 2017 - Dec 2017. Research topic: word/user embeddings algorithm; Bayesian computation and inference	
PUBLICATIONS	Tianfan Fu , Zhihua Zhang: CPSG-MCMC: Clustering-Based Preprocessing method for Stochastic Gradient MCMC. AISTATS 2017: 841-850. Tianfan Fu , Luo Luo, Zhihua Zhang: Quasi-Newton Hamiltonian Monte Carlo. Conference on Uncertainty in Artificial Intelligence, UAI 2016. Wei Li, Tianfan Fu , Hanxu You, Jie Zhu, Ning Chen: Feature sparsity analysis for i-vector based speaker verification. Speech Communication 80: 60-70, 2016. Yuan Liu, Yanmin Qian, Nanxin Chen, Tianfan Fu , Ya Zhang, Kai Yu: Deep feature for text-dependent speaker verification. Speech Communication 73: 1-13, 2015. (Citation: 47) Wei Li, Tianfan Fu , Jie Zhu: An improved i-vector extraction algorithm for speaker verification. EURASIP J. Audio, Speech and Music Processing 2015: 18, 2015. Yuan Liu, Tianfan Fu , Yuchen Fan, Yanmin Qian, Kai Yu: Speaker verification with deep features. International Joint Conference on Neural Networks, IJCNN 2014: 747-753. Tianfan Fu , Yanmin Qian, Yuan Liu, Kai Yu: Tandem deep features for text-dependent speaker verification. INTERSPEECH 2014: 1327-1331. (Oral, Citation: 15)	

RELATED SKILLS	<ul style="list-style-type: none"> • English Skills: GRE: 150(V), 170(Q), 3.5(W); TOEFL: 26(R), 22(L), 20(S), 24(W). • graduate Major GPA: 3.68/4.0, undergraduate Major GPA: 3.48/4.0 • Programming Skills: Python, C++, Bash(awk, sed, etc.), latex, Java, C, git, Matlab, R
AWARDS	<ul style="list-style-type: none"> • 2014 Shanghai Jiao Tong University Academic Excellence scholarship (Top 10%) • 2016 SJTU Academic Excellence Scholarship Class-A (Top 15%) • 2017 CS Graduates Education & Development Fund and Yang Yuanqing Education Fund (Top-3 in all graduate students in CS Department).
ACADEMIC INVOLVEMENT	<ul style="list-style-type: none"> • 2014 INTERSPEECH Travel Award & Volunteer • 2015,2016 Prof. Zhihua Zhang's course "Statistical Machine Learning" TA • 2016 UAI Travel Award & Volunteer • 2016 NIPS Reviewer (5 papers) • 2017 AAAI sub-reviewer (2 papers) • 2017 AISTATS Travel Award • 2018 AAAI Reviewer (1 paper)