

## Tianfan Fu

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CONTACT INFORMATION	Room 3-503, SEIEE Building Department of Computer Science Shanghai, China Voice: +86 18817554315	800 Dongchuan Road, Minhang District Shanghai Jiao Tong University Email: futianfan@gmail.com Homepage: futianfan.github.io
RESEARCH INTERESTS	Machine Learning, Natural Language processing, Deep Learning, Speech Processing, Bayesian Statistics.	
EDUCATION	<b>Shanghai Jiao Tong University (SJTU)</b> , Shanghai, CHINA M.S., Advisor: <b>Zhihua Zhang</b> , Computer Science and Technology, Sept 2015 - April 2018. <b>Shanghai Jiao Tong University (SJTU)</b> , Shanghai, CHINA B.E., Electronics and Electric Engineering (IEEE Honor Class), Sept 2011 - June 2015.	
RESEARCH EXPERIENCE	<b>Research Assistant</b> , Speech Lab, Shanghai Jiao Tong University (SJTU) Advisor: <b>Kai Yu</b> , June 2013 - Jan 2015. Research topic: application of deep learning on speech recognition and speaker verification. <b>Research Assistant</b> , Learning and Optimization Group, Shanghai Jiao Tong University (SJTU) Advisor: <b>Zhihua Zhang</b> , Feb 2015 - June 2017. Research topic: Bayesian computation and inference.	
INDUSTRY EXPERIENCE	<b>Research Intern</b> , Machine Learning Group, Disney Research Institute, Pittsburgh Advisor: <b>Cheng Zhang &amp; Stephan Mandt</b> , Sept 2017 - Dec 2017. Research topic: word/user embeddings algorithm; Bayesian computation and inference	
PUBLICATIONS	<b>Tianfan Fu</b> , Zhihua Zhang: CPSG-MCMC: Clustering-Based Preprocessing method for Stochastic Gradient MCMC. <b>AISTATS</b> 2017: 841-850. <b>Tianfan Fu</b> , Luo Luo, Zhihua Zhang: Quasi-Newton Hamiltonian Monte Carlo. Conference on Uncertainty in Artificial Intelligence, <b>UAI</b> 2016. Wei Li, <b>Tianfan Fu</b> , Hanxu You, Jie Zhu, Ning Chen: Feature sparsity analysis for i-vector based speaker verification. <b>Speech Communication</b> 80: 60-70, 2016. Yuan Liu, Yanmin Qian, Nanxin Chen, <b>Tianfan Fu</b> , Ya Zhang, Kai Yu: Deep feature for text-dependent speaker verification. <b>Speech Communication</b> 73: 1-13, 2015. (Citation: 47) Wei Li, <b>Tianfan Fu</b> , Jie Zhu: An improved i-vector extraction algorithm for speaker verification. <b>EURASIP J. Audio, Speech and Music Processing</b> 2015: 18, 2015. Yuan Liu, <b>Tianfan Fu</b> , Yuchen Fan, Yanmin Qian, Kai Yu: Speaker verification with deep features. International Joint Conference on Neural Networks, <b>IJCNN</b> 2014: 747-753. <b>Tianfan Fu</b> , Yanmin Qian, Yuan Liu, Kai Yu: Tandem deep features for text-dependent speaker verification. <b>INTERSPEECH</b> 2014: 1327-1331. (Oral, Citation: 15)	
RELATED SKILLS	<ul style="list-style-type: none"><li>English Skills: GRE: 150(V), 170(Q), 3.5(W); TOEFL: 26(R), 22(L), 20(S), 24(W).</li><li>graduate Major GPA: 3.68/4.0, undergraduate Major GPA: 3.48/4.0</li><li>Programming Skills: Python, C++, Bash(awk, sed, etc.), latex, Java, C, git, Matlab, R</li></ul>	

#### AWARDS

- 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

- 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)