Mingrui Liu

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Research Interests

Machine Learning, Optimization, Learning Theory

Education

University of Iowa, Iowa City, IA, 52242, USA — 09/2016—present

Doctor of Philosophy, Computer Science

Advisor: Prof. Tianbao Yang

Overall GPA: 4.18/4.3, Major GPA: 4.3/4.3

Shanghai Jiao Tong University, Minhang, Shanghai, China — 09/2013—03/2016

Master of Science, Statistics

Overall GPA: 2.92/3.3, Rank: 1/60

Shanghai University, Baoshan, Shanghai, China — 09/2009—07/2013

Bachelor of Science, major in Mathematics and minor in Mechanics

Overall GPA: 87.32/100, Rank: 3/23

Publication

- **Mingrui Liu**, Tianbao Yang. Adaptive Accelerated Gradient Converging Methods under Hölderian Error Bound Condition. *Submitted to Neural Information Processing Systems (NIPS)*, 2017. Available at https://arxiv.org/abs/1611.07609
- Weiwei Xiao, Huaguang Gu, **Mingrui Liu**. Dynamics of spiral waves in a network composed of neurons with different excitabilities and excitatory coupling. *Science China Technological Sciences*, 2016.

Honors and Awards

- Outstanding Graduates, Shanghai Jiao Tong University, 2016 (top 3%)
- Guanghua Scholarship, Guanghua Educational Fund, 2015 (top 3%)
- National Scholarship for Graduate Students, Chinese Ministry of Education, 2014 (top 3%)
- Outstanding Teaching Assistant for 3 consecutive years, Shanghai Jiao Tong University, 2013-2015
- First Prize Scholarship for 3 consecutive years, Shanghai Jiao Tong University, 2013-2015
- Merit Student, Shanghai University, 2013
- Scholarship (Distinguished Prize or 1st Prize) for 4 consecutive years, Shanghai University, 2009-2013

Teaching Experiences

Teaching Assistants for courses at SJTU:

- Multivariate Statistical Analysis, 2015 Fall, Zhiyuan College
- Statistical Inference and Decision Theory, 2015 Spring, graduate level
- Bayesian Statistics, 2015 Spring, graduate level
- Stochastic Processes, 2014 Fall, graduate level
- Probability Theory and Mathematical Statistics, 2014 Spring, undergraduate level
- Linear Algebra, 2013 Fall, undergraduate level

Computer Skills

- Computer Language: C, C++, Java, Python, Scala
- Parallel Computing: OpenMP
- Technical Computing: MATLAB, R, FORTRAN
- Word Processing: Vim, LaTeX, HTML
- Operating System: Linux, Windows, Mac