Mu Li

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Research Interests

Machine Learning, Computer Vision, Brain-Computer Interface, Numerical Computation, Graph Theory

Education

Shanghai Jiao Tong University, ACM Class
Master Student in Computer Science and Engineering — September 2008 – Present
B.E. in Computer Science and Engineering — September 2004 – June 2008
Advisor: Prof. Bao-Liang Lu

Research Experience

Research Assistant — April 2010 – Present
Visiting Student — August 2009 – February 2010
Hong Kong University of Science and Technology, CSE Department
Advisor: Prof. James T. Kwok

Research Intern — June 2007 – October 2007
Microsoft Research Asia, WSM Group & STC Group
Advisor: Steve Macbeth, the Group Program Manager of Microsoft

Publications

Mu Li, James Kwok, and Bao-liang Lu. **Making Large-Scale Nyström Approximation Possible**. Proceedings of the Twenty-Seventh International Conference on Machine Learning (**ICML**), Israel, June 2010

Mu Li, James Kwok, and Bao-liang Lu. **Online Multiple Instance Learning with No Regret**. Proceedings of the International Conference on Computer Vision and Pattern Recognition (**CVPR**), San Francisco, CA, USA, June 2010

Mu Li, and Bao-liang Lu. **Emotion Classification Based on Gamma-band EEG**. Proceedings of the International Conference of the IEEE Engineering in Medicine and Biology Society (**EMBC**), Minnesota, USA, August 2009

Mu Li, Jia-wei Fu, and Bao-liang Lu, **Estimating Vigilance in Driving Simulation Using Probabilistic PCA**. Proceedings of the International Conference of the IEEE Engineering in Medicine and Biology Society (**EMBC**), Vancouver, Canada, August 2008

Awards

Baidu Best Poster Award	2010
Dow Chemical Scholarship	2010
Morgan Stanley Scholarship	2009, 2010
National Scholarship of China	2008
HP Scholarship	2008
Excellent Academic Scholarship (1st-class)	2007
First Class in Chinese Mathematical Olympiad	2003

Teaching Experiment

T.A. of Machine Learning Course in Dragon Star Program — August 12–16, 2010
- Instructors: Prof. Eric Xing (CMU), Prof. Li Fei-Fei (Stanford)
- Website: http://bcmi.sjtu.edu.cn/ds/introduction.html (in Chinese)

Database Management System Project   Spring 2008
- Build a DBMS with storage buffer, heap file, index, SQL parser, SQL engine, concurrency control, database manager, and interface.
- Website: http://bcmi.sjtu.edu.cn/~mli/dbms/

Operating System Project   Autumn 2007
- Build an OS from scratch to have thread management, multiprogramming, virtual memory, and networking.
- Website: http://bcmi.sjtu.edu.cn/~mli/nachos/

Compiler Project   Spring 2007
- Build a compiler to be able to translating Tiger codes into MIPS assembly codes.
- Website: http://bcmi.sjtu.edu.cn/~mli/tiger/

International Schools	**Theoretical Computing Winter School**	January 2008

International Schools

Theoretical Computing Winter School   January 2008
Organized by Prof. Yao Chi-Chih Andrew
The Chinese University of Hong Kong

Spring School on Computational Neurobiology   March 2007
Organized by Prof. Andreas Dress
CAS-MPG Partner Institute of Computational Biology, Shanghai

Programming Skills   Matlab, C, Java, C++, CUDA, Perl, SQL