

Zhimin Peng

CONTACT INFORMATION	Department of Mathematics University of California, Los Angeles Los Angeles, CA, 90095	Tel: (832)506-2758 Email: zhimin.peng@math.ucla.edu Website: http://www.math.ucla.edu/~zhimin.peng/
EDUCATION	University of California, Los Angeles, CA Ph.D. candidate, Department of Mathematics, GPA: 4.00/4.00 Rice University, Houston, TX M.A., Computational & Applied Math, GPA: 3.99/4.00 Xi'an Jiaotong University, Xi'an, China B.S., Information & Computing Science, GPA: 90.7/100	2013 – present 2011 – 2013 2007 – 2011
RESEARCH INTEREST	Large scale optimization; Sparse optimization; Distributed computing; Machine learning	
EXPERIENCES	University of California, Los Angeles, CA, USA <i>Research Assistant.</i> Mentor: Dr. Wotao Yin <ul style="list-style-type: none">Developing asynchronous methods for solving large scale convex optimization problems. Rackspace, San Francisco, CA, USA <i>Data Science Intern.</i> <ul style="list-style-type: none">Developed effective anomaly detection algorithms for cloud intelligence.Customer intelligence. Performed customer text analysis.Predictive analysis for auto scale engine. Rice University, Houston, TX, USA <i>Research Assistant.</i> Mentor: Dr. Wotao Yin <ul style="list-style-type: none">Developed efficient parallel and distributed algorithms for large scale sparse optimization problems, including LASSO, sparse logistic regression and sparse SVM. U.S. Army Research Lab, Adelphi, MD, USA <i>Machine Learning Intern.</i> Mentor: Dr. Hessung Kwon <ul style="list-style-type: none">Developed an efficient machine learning model called optimal sparse kernel learning (OSKLAD) for detecting anomalies in hyperspectral images. Chinese University of Hong Kong, Hong Kong, China <i>Research Assistant.</i> Mentor: Dr. Bo Huang <ul style="list-style-type: none">Developed a Laplacian pyramid algorithm for information fusion of remote sensing images.	2013 – present Summer 2014 2011 – 2013 Summer 2012 Spring 2011
SELECTED PUBLICATIONS	Z. Peng, M. Yan, W. Yin. Parallel and Distributed Sparse Optimization. IEEE Asilomar Conference, 2013. (Best Student Paper Finalist) W. Deng, M.J. Lai, Z. Peng, W. Yin. Parallel Multi-Block ADMM with $o(1/k)$ Convergence. arXiv preprint arXiv:1312.3040, 2013. Z. Peng, P. Gurram, H. Kwon, W. Yin. Optimal Sparse Kernel Learning for Hyperspectral Anomaly Detection. IEEE WHISPERS, 2013. Z. Peng, P. Gurram, H. Kwon, W. Yin. Optimal Sparse Kernel Learning in the Empirical Kernel Feature Space for Anomaly Detection. IEEE Transactions on Aerospace and Electronic Systems, 2014. Y. Liu, Z. Peng, W. Symmes, W. Yin. Sparse Radon Transform with Dual Gradient Ascent Method. SEG Annual Meeting, 2013.	
AWARDS	<i>Rice Graduate Fellowship</i> , Rice University <i>National Scholarship</i> , Chinese Ministry of Education <i>Zhong Jiao Tong Li Scholarship</i> , ZJTL Construction CO.,LTD <i>Peng Kang Scholarship</i> , Xi'an Jiaotong University, China	2011 – 2012 2009 – 2010 2008 – 2009 2007 – 2008
SKILLS	Programming: C, C++, Python, R, Matlab, SQL Platforms: Windows, Linux, Amazon EC2	Parallel: MPI, OpenMP, CUDA