

Qing Li

CONTACT INFORMATION	1415 Engineering Drive, 1217 Engineering Hall Madison, WI 53706	Homepage: http://pages.cs.wisc.edu/~qing Phone: (608)334-8626 Email: qing.li@wisc.edu
OBJECTIVE	Ph.D. in Intelligent Transportation Systems, and M.S. in Computer Science with strong programming background and machine learning/data mining skills to draw insights from data. Seeking a fulltime or intern position opportunity in data science, big data analytics, software development areas.	
RESEARCH INTERESTS	Current: Transportation Big Data analytics, spatio-temporal data mining, urban computing Previous: Image annotation, optimization problem arisen from logistics	
EDUCATION	University of Wisconsin - Madison, Madison, WI Ph.D., Intelligent Transportation, Civil and Environmental Engineering, <i>Expected: Fall 2016</i> <ul style="list-style-type: none">• Thesis Topic: When Traffic Emission Meets Big Data, Advisor: Prof. Bin Ran M.S., Computer Science, GPA: 3.89/4.0 <i>Expected: Spring 2016</i> Xi'an Jiaotong University, Xi'an, Shannxi, China B.S., Electronic and Informations Engineering, GPA: 89.54/100 (Top 5%) June 2013	
COURSEWORK	Data Models and Languages, Machine Learning, Artificial Intelligence, Database Management Systems, Topics-DBMS, Natural Lang & Computing, Integer Programming, Linear Programming Methods, Operating Systems, Image Processing & Pattern Recognition, Probability Theory & Stochastic Process	
COMPUTER SKILLS	Programming & Applications: Java, Matlab, SQL, Python, C++, R, LINGO, TeXworks, SPSS Web Related: Javascript, Java Servlet, Struts, Google Maps API, HTML/CSS, XML, Scrapy IDE & Platforms: Oracle, MySQL, Eclipse, Ipython, Webstorm, Balsamiq Mockups, Windows, Linux Transportation: VISSIM, TransCAD, Synchro, SIDRA, ArcGIS	
RESEARCH EXPERIENCE	Graduate Assistant , TOPS Lab, UW-Madison Sep 2013 to present <ul style="list-style-type: none">• Traffic Information & Emission Estimation Using Cellular Probe Data (Big Data Analytics on Billions of Records, Machine Learning, Data Mining) (Python, Oracle 11g, SQL, JAVA, MATLAB, Scrapy)• Understanding Taxi Driver Behavior by Route Choice Model (Map Matching, Machine Learning) Visiting Student , SMILES Lab, XJTU Sep 2011 to May 2013 <ul style="list-style-type: none">• Multi-label Image Annotation with Multi-kernel Learning (Multi-kernel SVM, Community Detection)• Near-Duplicate Image Groups Detection (Social Media, Image Retrieval) Visiting Student , Mathematics and Statistics, XJTU Apr 2010 to Feb 2012 <ul style="list-style-type: none">• Optimization Problems: management of rafting in Grand Canyon, electricity pricing design on multi-objective programming, etc. (LINGO, MATLAB)• Statistics Problems: pork price prediction, assessment of electric vehicle, etc. (MATLAB, SPSS)	
WORK EXPERIENCE	Project Assistant (Web Developer) , TOPS Lab, UW-Madison Sep 2013 to present <ul style="list-style-type: none">• Worked on the enhancement and maintenance of Community Maps (Struts, Java, Javascript, SQL, GoogleMapsApi, WebStorm, Balsamiq Mockups, Eclipse, Oracle 11g)	
HONORS AND AWARDS	Outstanding Graduate, Xi'an Jiaotong University June 2013 Meritorious Winner of Mathematical Contest In Modeling, USA (9%) Apr 2012 Meritorious Winner of Interdisciplinary Contest In Modeling, USA (20%) Apr 2011	
PUBLICATIONS	<ol style="list-style-type: none">1. Li, Q., Cheng, Y., Ding, F., Wan, X., & Ran, B. (2016, January). "City-Wide Hourly Traffic Emission Estimation Using Cellular Activity Data," <i>In Transportation Research Board 95th Annual Meeting</i>.2. Gu, Y., Qian, X., Li, Q., Wang, M., Hong, R., & Tian, Q., "Image Annotation by Latent Community Detection and Multikernel Learning," <i>in Image Processing, IEEE Transactions on</i> , vol.24, no.11, pp.3450-3463, Nov. 2015.3. Li, J., Qian, X., Li, Q., Zhao, Y., Wang, L., & Tang, Y. Y. (2015). Mining near duplicate image groups. <i>Multimedia Tools and Applications</i>, 74(2), 655-669.4. Li, Q. , Gu, Y., & Qian, X. (2013, October). LCMKL: latent-community and multi-kernel learning based image annotation. <i>In Proceedings of the 22nd ACM international conference on Conference on information & knowledge management</i> (pp. 1469-1472). ACM.5. Liu, L., Li, Q., Gu, Y., Chen, L., & Li, H.. The Study on Electricity Pricing Design Basing on Multiobjective Programming. <i>Journal of Xian Jiaotong University</i>. Vol.47 No.10, Oct. 2013 (In Chinese)	
PATENT	<ol style="list-style-type: none">1. Ran, B., Cheng, Y., Jin, J., Ding, F., & Li, Q.. "Traffic jam grade detection method based on cellphone signal data", Publication number: CN104200667 A.	
PAPERS UNDER REVIEW	<ol style="list-style-type: none">1. Li, Q. et al. "A Novel Model for Estimating Citywide Hourly Traffic Emissions Using Cellular Phone Activity Data", <i>Intelligent Transportation Systems, IEEE Transactions on</i>.2. Ran, B., Cheng, Y., Jin, J., Ding, F., & Li, Q.. "A Feature Based Approach to Large-Scale Freeway Congestion Detection Using Full Cellular Activity Data" , <i>Intelligent Transportation Systems, IEEE Transactions on</i>.	