

LIMING JIANG

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I am passionate about Data Analytics/Data Mining/Machine Learning. I enjoy developing and applying intelligent algorithms to model the structures, predict the patterns, and optimize the control of different levels of complex transportation system.

RESEARCH EXPERIENCE

SEP 2017 – NOW

GRADUATE RESEARCH ASSISTANT, UNIVERSITY OF MASSACHUSETTS LOWELL

- Lead researcher on one National Science Foundation (NSF) project on autonomous vehicles and one MassDOT project on CMAQ project benefits quantification.
- With two papers accepted by TRB 2019.

JULY 2015 – JUNE 2017

TRAFFIC ENGINEER, ITS KEY LABORATORY, HUNAN, CHINA

- Participate in two major transportation planning projects as a lead travel demand modeler.

EDUCATION

SEP 2017 - NOW

PHD STUDENT, UNIVERSITY OF MASSACHUSETTS LOWELL

JUNE 2015

BS IN TRANSPORTATION ENGINEERING, SCHOOL OF TRANSPORTATION,
SOUTHEAST UNIVERSITY, CHINA

SKILLS

- Machine learning algorithms and applications ([My GitHub](#))
- Planning and traffic modeling tools such as VISSIM, VISTRO, and TransCAD.
- Transportation data analytics
- Excellent programming skills with Python, C++, etc.

PUBLICATIONS

1. Modelling highly unbalanced crash injury severity data by ensemble methods and global sensitivity analysis (TRB 2019).
2. New England Merge: A Novel Merge Control Method for Improving Highway Work Zone Mobility and Safety (TRB 2019).