

Yaguang Li

Email: yaguang@usc.edu

EDUCATION	University of Southern California , Los Angeles, CA Ph.D. in Computer Science (GPA: 3.94 / 4.0), Advisors: Cyrus Shahabi, Yan Liu Aug. 2014 - May 2019
	University of Chinese Academy of Sciences , Beijing, China M.S in Computer Science, Institute of Software (Ranked Top 1%), Outstanding Graduate Sep. 2011 - Jul. 2014
	University of Science and Technology Beijing , Beijing, China B.Eng in Computer Science (GPA: 3.75/4.0), Outstanding Undergraduate Sep. 2007 - Jul. 2011
RESEARCH INTEREST	Machine learning, deep learning on graphs with applications in transportation, spatiotemporal forecasting and recommendation
SELECTED WORK EXPERIENCES	DiDi AI Labs , Research Intern 2017/12 - 2018/02, 2018/05 - 2018/08 <ul style="list-style-type: none">Proposed a multi-task representation learning framework for origin-destination travel time estimation. Work was published on KDD 2018.Proposed a graph based deep learning model for ride-hailing demand forecasting. The model reduced prediction error by over 10%. Work was published on AAAI 2019. Facebook Inc. , Software Engineer Intern, Menlo Park, CA, US 2017/05 - 2017/08 <ul style="list-style-type: none">Proposed a unified machine learning model for both place visit segmentation and classification based on HMM and GBDT. The model improved precision by over 10% at the same recall and had been deployed in the production. Google Inc. , Software Engineer Intern, New York, NY, US 2016/05 - 2016/08 <ul style="list-style-type: none">Proposed a model to generate high-quality business information (for Google Maps) from various low-quality data sources. The proposed model had generated tens of thousands of high-quality business information. Work was presented at a Google-wide machine learning workshop. Google Inc. , Software Engineer Intern, Montreal, Quebec, Canada 2015/05 - 2015/08 <ul style="list-style-type: none">Proposed a video summarization algorithm to extract interesting frames based on audio, visual and motion information. Results on more than 500 minutes Youtube videos showed that the algorithm consistently outperforms baseline methods.
SELECTED PUBLICATIONS	Yaguang Li* , Xu Geng*, Leye Wang, Lingyu Zhang, Qiang Yang, Yan Liu, Jieping Ye (*Equal Contribution). Spatiotemporal Multi-graph Convolution Network for Ride-hailing Demand Forecasting. AAAI 2019 (Oral Presentation) Yaguang Li , Kun Fu, Zheng Wang, Cyrus Shahabi, Jieping Ye, Yan Liu. Multi-task Representation Learning for Travel Time Estimation, KDD 2018 (Research Track) Yaguang Li , Rose Yu, Cyrus Shahabi, Yan Liu. Diffusion Convolutional Recurrent Neural Network: Data-Driven Traffic Forecasting, ICLR, 2018 Yaguang Li* , Rose Yu*, Ugur Demiryurek, Cyrus Shahabi, Yan Liu (*Equal Contribution). Deep Learning: A Generic Approach for Extreme Condition Traffic Forecasting. SDM, 2017 , Best Research Paper Nomination
SELECTED AWRADS	Annenberg Graduate Fellowship , University of Southern California, 2014-Present Best Research Assistant , University of Southern California, 2018 KDD, ICLR, NIPS TSW Travel Award , 2017, 2018 Outstanding Graduate , University of Chinese Academy of Sciences, 2014 National Scholarship , China, 2011, 2014
SELECTED ACADEMIC SERVICES	Web Chair , SIGKDD conference on Knowledge Discovery and Data Mining, 2020 Co-organizer , KDD Workshops on Mining and Learning from Time Series (MiLeTS), 2018, 2019 Web Chair , International Conference on Web Search and Data Mining (WSDM), 2018 Reviewer ICML 2019, GeoInformatica, TRC, IEEE TIST, IEEE TSIT, JCST