

# Li Song




College of Engineering, University of North Carolina at Charlotte. (UNCC)

Email: [lsong1@uncc.edu](mailto:lsong1@uncc.edu) Tel: +979-318-0375

Address: 204H Barton Creek Dr, Apt. H. Charlotte, NC, 28262



## EDUCATION

2019- Now	Ph.D.	GPA: 4/4	Rank: NA	Top NA
	College of Engineering, University of North Carolina at Charlotte Major: Intelligent Transportation Management and Control. (Advisor: Prof. Wei Fan)			
2017-2019	M. Eng. (Research)	GPA: 3.35/4	Rank: 2/34	Top 5%
	School of Transportation Science and Engineering, Harbin Institute of Technology. Major: Transportation Planning and Management			
2013-2017	B. Eng.	GPA: 3.7/4	Rank: 2/113	Top 1%
	College of Transport and Communications, Shanghai Maritime University Major: Transportation and Management			

## HONOR & REWARDS

### International Level

- 2018 “Excellent Oral Presentation”, *International Conference of Intelligent Transportation Engineering* (ICITE 2018), Singapore (5%, 116)
- 2016 “Honorable Mention”, *The Mathematical Contest in Modeling* (20%, 37338)

### National Level

- 2018 “National Scholarship for Graduate Students” (3%, 110)
- 2015 “Second Prize”, *National Undergraduate Mathematical Contest In Modeling* (3.4%, 85955)

### Municipal Level

- 2017 “Outstanding Graduate of Shanghai” (5%, 174000)
- 2015 “Shanghai Scholarship” (1%, 113)
- 2015 “First Prize”, *Undergraduate Mathematical Contest In Modeling, Shanghai*

### School Level

- 2018 “Excellent Students” (12%, 34)
- 2018 “First-Class Scholarship for Postgraduates” (40%, 34)
- 2017 “Recommended for Postgraduate Student without Examination” (2%, 4147)
- 2017 “Excellent Dissertation of Shanghai Maritime University” (5%, 113)
- 2017 “Representative in Academic Atmosphere Construction” (1%, 113)
- 2016 “School Principal Scholarship” & “Excellent Student” (2%, 113)
- 2016 “Excellent Individual in Academic Atmosphere Construction” (1%, 113)
- 2015 “School Principal Scholarship” & “Excellent students” (2%, 113)
- 2015 “Third Prize”, *SMU Challenge Cup*
- 2014 “School Second-class Scholarship” & “Triple-A student” (5%, 198)
- 2014 “Spiritual Civilization Advanced Student in Community” (1%, 113)

## PUBLICATIONS

- 2021 Li, Y., **Song, L.** and Fan, W., Day-of-the-week variations and temporal instability of factors influencing pedestrian injury severity in pedestrian-vehicle crashes: a random parameters logit approach with heterogeneity in means and variances. *Analytic Methods in Accident Research*. (Q1)
- 2021 **Song, L.**, Fan, W., Li, Y. and Wu, P., Exploring Pedestrian Injury Severities at Pedestrian-Vehicle Crash Hotspots with An Annual Upward Trend: A Spatiotemporal Analysis with Latent Class Random

- Parameter Approach, *Journal of Safety Research*. (Q2))
- 2021 **Song, L.** and Fan, W. Exploring Truck Driver-Injury Severity at Intersections Considering Heterogeneity in Latent Classes: A Case Study of North Carolina, Accepted for Publication, *International Journal of Transportation Science and Technology*. (EI)
- 2020 **Song, L.**, Li, Y., Fan, W., and Wu, P., Modeling pedestrian-injury severities in pedestrian-vehicle crashes considering spatiotemporal patterns: insights from different hierarchical Bayesian random-effects models. *Analytic Methods in Accident Research* (SCI, Q1, Rank 1st in Transport)
- 2020 **Song, L.** and Fan, W., Combined Latent Class and Partial Proportional Odds Model Approach to Exploring the Heterogeneities in Truck-Involved Severities at Cross and T-Intersections, *Accident Analysis and Prevention*, Volume 144, 105638. (SCI, Q1)
- 2019 Chen, J., Xue, K., **Song, L.**, Luo, J. X., Mei, Y., Huang, X., ... & Hua, C. (2019). Periodicity of world crude oil maritime transportation: Case analysis of Aframax Tanker market. *Energy Strategy Reviews*, 25, 47-55. (SCI Q2).
- 2019 Wu, P., Meng, X., **Song, L.** A novel ensemble learning method for crash prediction using road geometric alignments and traffic data. *Journal of Transportation Safety & Security*. (SCI Q4).
- 2019 Wu, P., Meng, X, **Song, L.**, Zuo, W. (2018). Crash risk evaluation and crash severity pattern analysis for different types of urban junctions: Fault tree analysis and association rules approaches. *Transportation Research Record*. (SCI Q4).
- 2019 Wang, X., **Song, L.**, Wu, Z., Wu, P. (2019). Development of a freeway traffic noise prediction model based on equivalent sound source at the shoulder. *Proceedings of the Institution of Civil Engineers-Transport*. (SCI Q4).
- 2018 **Song, L.**, Chen, J., Li, X. K., Liu, X., Fei, Y., Yu, H. (2018). Periodical characteristics of shipbuilding market activity: A wavelet analysis. *Journal of Marine Science and Technology*. (SCI, Q4).

## PATENT

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- 2018 Wang, X., **Song, L.**, Wu, P. (2018). A fire alarm and automatic fire extinguishing system for dangerous chemicals containers, Patent 201810446653.0.
- 2018 Wang, X., **Song, L.**, Wu, P. (2018). An automatic connection device for automatic guided vehicle, Patent 201810167525.2.

## COMMUNITY SERVICE & ACTIVITIES

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- 2020-Now **President** of ITE Student Chapter of UNCC  
Invite four speakers from industrial fields, host one session in NCSITE meeting
- 2020-Now **Research Assistant**, NCDOT Projects: CAV Impacts on Transportation Systems and Revenue
- 2019 **Teaching Assistant**, INES-8090-092 & 003: Top Infrastructure and Environment System
- 2019-Now **Member** of Chinese Overseas Transportation Association (COTA)
- 2019-Now **Reviewer** of TRR, COTA Conference paper
- 2018-Now **Academic Conference:** TRB 97<sup>th</sup>-99<sup>th</sup>; ICITE 2018; CAMMSE 2<sup>nd</sup>; NCDOT Summit 2020;
- 2017-2018 **Participate in Engineering and Academic Projects:** signal control system, emissions assessment, and intersection reconstruction
- 2018/2 **Intern: Jiangxi General Institute of Urban and Rural Planning and Design**  
Participate in one expressway expansion and one underground parking lot project
- 2017/3-8 **Intern: TRC of Shanghai Jiao Tong University Architectural Design and Planning Co., Ltd.**  
Participate in one safety assessment, three park design, and three traffic impact analysis projects
- 2016/5 **Practice in Chinese and South Korean Port:** Zhangjiagang - Shanghai - Busan - Kuangyang
- 2014/7-8 **Summer Teaching Support Volunteer Activity:** Teaching and raising funds
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