

Li Song




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EDUCATION

2019-	Ph.D	GPA: NA	Rank: 2/34	Top NA
	College of Engineering, University of North Carolina at Charlotte. Major: INES-Transportation. ➤ Advisor: Prof. Wei Fan ➤ PhD. Thesis: "NA"			
2017-2019	M. Eng. (Research type)	GPA: 3.35/4	Rank: 2/34	Top 5%
	School of Transportation Science and Engineering, Harbin Institute of Technology. Major: Transportation Planning and Management. ➤ Advisor: Assoc. Prof. Xiaoning Wang ➤ Master's Thesis: "Study on bottleneck congestion charging model of entry vehicles' considering carbon tax"			
2013-2017	B. Eng.	GPA: 3.7/4	Rank: 2/113	Top 1%
	College of Transport and Communications, Shanghai Maritime University Major: Transport and Communication ➤ Advisor: Prof. Jihong Chen ➤ Bachelor's Thesis: "Periodical characteristics of shipbuilding market activity based on wavelet analysis."			

ENGLISH GRADES

2018	➤ TOEFL (iBT): 91; R 28, L 24, S 22, W 17. or 87; R 24, L 19, S 19, W 25.
2018	➤ GRE: 316; V 151, Q 165 W 3.0
2016	➤ College English Test Band 6 (CET 6): 593
2016	➤ Business English Certificate (BEC): B2

AWARDS AND HONORS

INTERNATIONAL LEVEL	
2018	➤ "Excellent Oral Presentation", <i>International Conference of Intelligent Transportation Engineering (ICITE 2018)</i> , Singapore (5%, 116)
2016	➤ "Honorable Mention", <i>The Mathematical Contest in Modeling</i> (20%, 37338)
NATIONAL LEVEL	
2018	➤ "National Scholarship for Graduate Students" (3%, 110)
2015	➤ "Second Prize", <i>National Undergraduate Mathematical Contest In Modeling</i> (3.4%, 85955)
MUNICIPAL LEVEL	
2017	➤ "Outstanding Graduate of Shanghai" (5%, 174000)
2015	➤ "Shanghai Scholarship" (1%, 113)
2015	➤ "First Prize", <i>Undergraduate Mathematical Contest In Modeling, Shanghai</i>
SCHOOL LEVEL	

- 2018 ➤ “Talent Student in Transportation” (1%, 34)
- 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

- 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 ➤ 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.
- 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*. DOI: 10.1177/0361198118822817 (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*. DOI: 10.1680/jtran.18.00105 (SCI Q4).
- 2019 ➤ Wang, X., **Song, L.**, Wu, P., Yu, S. (2019). Analysis of unconventional design for signalized and closely-spaced T-intersections. In 2019 19th COTA conference International Conference of Transportation Professionals (CICTP2019). (EI).
- 2018 ➤ Wang, X., **Song, L.**, Wu, P. (2018, September). A novel method of island port’s transport: automatic guided vehicle approach. In 2018 3rd IEEE International Conference on Intelligent Transportation Engineering (ICITE). pp. 219-224. IEEE. DOI: 10.1109/ICITE.2018.8492567. (EI).
- 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*. DOI: 10.6119/JMST.201810_26(5).0008. (SCI, Q4).

PATENT

- 2018 Shi, Z., **Song, L.** (2018). Container with the connection locking device, 201820334916.4, **Accepted**.
- 2018 Wang, X., **Song, L.**, Wu, P. (2018). A fire alarm and automatic fire extinguishing system for dangerous chemicals containers, 201810446653.0, Under review.

- 2018 Wang, X., **Song, L.**, Wu, P. (2018). An automatic connection device for automatic guided vehicle, 201810167525.2, Under review.

PRACTICE EXPERIENCE

- 2017 - Now **Participate in Engineering and Academic Project**
- Harbin traffic signal control system project.
 - Harbin traffic emissions and dust emission assessment.
 - Shenzhen intersection reconstruction project.
 - Guangzhou highway construction environmental impact assessment.
- 2018 **Academic Conference.**
- Oral Presentation in 2018 3rd IEEE ICITE: “A novel method of island port’s transport: automatic guided vehicle approach.”
 - Poster Presentation in 2018 97th TRB Annual Meeting: “Exploring traffic noise-oriented traffic signal warrant: A bi-level programming approach.”
- 2018.2 **Intern: Jiangxi General Institute of Urban and Rural Planning and Design**
- Traffic consultation on the expansion of an expressway in Nanchang .
 - Traffic organization design of underground parking lot in CBD of Nanchang.
- 2017.3 - 8 **Intern: Transportation Research Center of Shanghai Jiao Tong University Architectural Design and Planning Co., Ltd.**
- Participate in three transportation design consultations (amusement park project in Wuxi, intelligent parking building project in hospital of Shanghai and logistics park project for China and Russia).
 - Participate in the Shanghai Municipal Transportation Commission’s subject: investigation and management of the dangerous goods transport accident’s hidden troubles
 - Participate in three traffic impact assessment projects
- 2016.5 **Practice in Chinese and South Korean Port.**
- Navigation in the route: Zhangjiajiang - Shanghai - Busan – Kuangyang
 - Visiting the Shanghai Yangshan Deepwater Port and Busan Port
- 2014.7 - 8 **Participate in Summer Teaching Support Volunteer Activity.**
- Raising for funds and goods from school and communities
 - Teaching art class in Southwest of Guizhou Province, China

PROFESSIONAL SKILLS

SOFTWARE

- Programming: MATLAB, VB, Lingo.
- Statistical Modelling: Eviews, Stata, SPSS.
- Traffic Simulation: VISSIM, Synchro, TransCAD, AutoCAD
- In Learning: Python

CERTIFICATE

- Computer Skill : National Computer Level 2 (Microsoft Access)
- Driver License : C1
- Sketch : Level 8

INTEREST & HOBBIES

- Painting and Seal Cutting
- Reading and Handwriting
- Jogging and Running