

## Mr. ZHANG Jiajie

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Date of Birth: 05/Feb./1997

Address: 405 Pandan Gardens, 600405, Singapore, Singapore

### Education

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**Bachelor:** Institution: Southeast University

Major: Traffic Engineering

Period of Schooling: Sept./2015-Jun./2019

**Master:** Institution: National University of Singapore

Major: Industrial Systems Engineering and Management

Period of Schooling: Aug./2020-present

**PhD:** Institution: National University of Singapore

Major: Industrial Systems Engineering and Management

Period of Schooling: Aug./2020-present

### Research interests

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- ✧ Discrete choice modeling
- ✧ Facility location
- ✧ Assortment optimization
- ✧ Transportation and logistics

### Publication

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- ✧ X. Shan, W. Yu, Z. Li, C. Wang, Y. Ren and **J. Zhang**, "Vehicle Trajectory-Based Traffic Volume Prediction on Urban Roads With Fast-Communication License Plate Recognition Data," in *IEEE Transactions on Intelligent Transportation Systems*
- ✧ **Jiajie Zhang**, Yun Hui Lin, Ek Peng Chew, Kok Choon Tan. Intermodal Container Terminal Location and Capacity Design with Decentralized Flow Estimation (under minor revision)
- ✧ **Jiajie Zhang**, Yun Hui Lin, Gerardo Berbeglia. Approximate Resolution of Stochastic Choice-based Discrete Planning (under minor revision).
- ✧ **Jiajie Zhang**, Yun Hui Lin, Ek Peng Chew, Kok Choon Tan. Facility Location and Discrete Pricing under Random Utilities: Solution Approaches and Featured Application (under major revision).

### Conference

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- ✧ Conference Paper (included in the paper collection of 2018 Asia Urban Planning Conference): "Impacts of Transportation Convenience on Medium and Low-priced Residential Quarters-A Case Study of Yangtze River Delta Region", ZHANG Jiajie (2<sup>nd</sup> author)
- ✧ Conference Paper (accepted by The 19<sup>th</sup> COTA International Conference of Transportation Professionals): "Agent-Based Traffic Flow Prediction Method with a Deep Learning Approach Based on RFID Data", Jiajie Zhang (3<sup>rd</sup> author)

### Awards

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3 <sup>rd</sup> Prize of Southeast University during Mathematical Competition	Jun./2017
Excellence Award of Southeast University during Physical Experimental Paper Competition	Dec./2016
NUS Research Scholarship	Aug./2020

### Additional Information

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TOEFL:113

GRE:326 + 4.0

Good Command of Language R, MATLAB, Python, etc.