

## EDUCATION

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**McGill University | Department of Civil Engineering and Applied Mechanics** Sep 2019 - Sep 2023

Civil Engineering (Transportation) | Ph.D. student

- Honors/Awards: McGill Engineering International Tuition Awards(MEITA)
- Research area: Intelligent transportation system, Traffic control, Artificial intelligence

**Sun Yat-sen University | School of Intelligent Systems Engineering** Sep 2016 - Jul 2019

Traffic information engineering and control | Master

- GPA : 3.8 / 5.0 (Top 20%)
- Honors/Awards: First Class Scholarship (2016-2017), Second Class Scholarship (2017-2018)
- Relevant Coursework: Modeling and Simulation for Transportation System; Advanced Transportation Engineering; Modern Control Technology and Application; Comprehensive Project Evaluation and Assessment; Numerical Analysis

**Sun Yat-sen University | School of Engineering** Sep 2012 - Jun 2016

Traffic Engineering | Bachelor

- GPA : 3.8 / 5.0 (Top 10%)
- Honors/Awards: Second class Scholarship (2012-2013), Third class scholarship(2014)
- Relevant Coursework: Linear Algebra; Advanced Mathematics; Data Structure and Algorithms; Intelligent Transportation System; Traffic Management and Control

## PROJECT EXPERIENCE

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**Intelligent Transportation Analysis Engine and Application** Aug 2018 - Jun 2019

Researcher

Shenzhen

- Traffic data process and analyze.
- Traffic prediction model design and implement.

**Online Traffic Simulation for Guangzhou Inner Ring Road** Jul 2016 - Sep 2017

Researcher

Guangzhou

- Simulation network transformation
- OD estimation module development

## ACADEMIC EXPERIENCE

- **Wang J**, Sun L. Dynamic holding control to avoid bus bunching: A multi-agent deep reinforcement learning framework[J]. Transportation Research Part C: Emerging Technologies, 2020, 116: 102661.
- Shi T, **Wang J (Equal contribution)**, Wu Y, L Miranda-Moreno, Sun L. Efficient Connected and Automated Driving System with Multi-agent graph Reinforcement Learning. Transportation Research Board (TRB) 100th Annual Meeting.
- **Wang J**, Shi T, Wu Y, L Miranda-Moreno, Sun L. Multi-agent Graph Reinforcement Learning for Connected Automated Driving. ICML 2020 Workshop on AI for Autonomous Driving (AIAD).
- **Wang J**, Chen R, He Z. Traffic speed prediction for urban transportation network: A path-based deep learning approach[J]. Transportation Research Part C: Emerging Technologies, 2019, 100: 372-385.
- Chen X, He Z, **Wang J**. Spatial-temporal traffic speed patterns discovery and incomplete data recovery via SVD-combined tensor decomposition[J]. Transportation research part C: emerging technologies, 2018, 86: 59-77.
- Chen, X., He, Z., Chen, Y., Lu, Y., **Wang, J.** (2019). Missing traffic data imputation and pattern discovery with a Bayesian augmented tensor factorization model. Transportation Research Part C: Emerging Technologies, 104, 66-77.