

# Yuntong Xie

**Email:** e1010851@u.nus.edu

**Address:** Innovation 4.0, 3 Research Link, 04-01, Singapore 117602

**Research Interests** Intelligent Transportation Systems, Connected and Automated Vehicles, Machine learning applications in transportation

**Education** **National University of Singapore** Singapore  
PhD in Operations Research and Analytics Jan 2024 – Present

**National University of Singapore** Singapore  
Master of Science in Civil Engineering Aug 2022 – Dec 2023

**Southwest Jiaotong University** Sichuan, China  
Bachelor of Engineering in Traffic Engineering Sep 2018 – Jun 2022

**Research Experience** **Graph Neural Network Reinforcement Learning for Modular Transit Networks**  
Advised by Dr. Kaidi Yang Aug 2022 – Aug 2023

**Two-Way Displacement Monitoring and Early Warning System For Railway Wide Cargo Transportation**  
Advised by Dr. Zhenghong Cai Jun 2020 – May 2021

**Internships** **China Communications Construction Company Limited (Singapore Branch)**  
Design Engineer May 2023 – Aug 2023

**Skills** **Programming**  
Familiar with: Python, Matlab, C++.

**Languages**  
Mandarin (fluent), English (advanced)