

## EDUCATION

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### University of Alberta

Ph.D. in Transportation Engineering, GPA: 3.9/4.0

Edmonton, Canada

Sep 2019–Current

– Advisor: Prof. Tony Qiu

– Thesis: “TBA”

### Harbin Institute of Technology

M.S. in Communication and Transportation Engineering, GPA: 3.84/4.0

Harbin, China

Sep 2017–Jul 2019

– Advisor: Prof. Shi An

– Thesis: “Giving Priority to Bicycle Even in Congested Urban Area like Central Business District”

### Southeast University

B.S. in Traffic Engineering, GPA: 3.55/4.0

Nanjing, China

Aug 2013–Jul 2017

– Advisor: Prof. Haojie Li

– Thesis: “Research on Impacts of Cycle Superhighways on the Public Cycle Rental Points”

## RESEARCH INTERESTS

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- Smart city and transportation
- Intelligent transportation system
- Urban mobility modeling
- Sustainable issues for urban traffic

## EXPERIENCE

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### University of Alberta

Graduate Research Assistant at Center for Smart Transportation

Edmonton, Canada

Sep 2019–Current

– NSERC project with Stantec: Mobility Pilot as Benchmark

### Nanjing Institute of City and Transportation Planning Co.,Ltd.

Intern as Assistant Transport Engineer

Nanjing, China

Summer 2017

– Project: Planning of the Hub Airport’s Ground Access of Harbin

– Project: Transportation Planning of Scenic Area along the Qinhuai River

## SCHOLARSHIPS AND AWARDS

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- University of Alberta Engineering Doctoral Program Award (International Student) 2019–Current
- First-class Academic Scholarship for Graduate Students in Harbin Institute of Technology 2017–2019
- Third Prize for China “Internet+Transportation” Innovation and Entrepreneurship Competition 2017
- Excellent Undergraduate Thesis of Southeast University 2017
- The Scholarship Supported by China Road and Bridge Engineering Co. LTD (CRBC) 2016

## JOURNAL PUBLICATIONS

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- [1] **F. Wu**, X. Hu, S. An, and D. Zhang, “Exploring passengers’ travel behaviors based on elaboration likelihood model under the impact of intelligent bus information”, *Journal of Advanced Transportation*, vol. 2019, 2019.

## CONFERENCES

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- [1] **F. Wu**, T. J. Kwon, and T. Qiu, “How connected are major canadian cities? a large-scale empirical investigation”, in *Transportation Research Board 100th Annual Meeting*, Washington, D.C., 2021.
- [2] **F. Wu**, L. Peng, J. Li, K. Hou, and T. Qiu, “Dynamic signal coordination under CV using distributed optimization with 5G and mobile edge computing”, in *Intelligent Transportation Systems (ITS) Canada*, Edmonton, 2020.

## WORKING PAPERS

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- [1] **F. Wu**, T. J. Kwon, and T. Qiu, “How connected are major canadian cities’ streets? a large-scale empirical investigation”, 2020.
- [2] **F. Wu** and T. Qiu, “Pattern mining from trajectory data for traffic signal coordination evaluation”, 2020.