

# Jiayi Wang

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## EDUCATION

### Dartmouth College

Hanover, U.S.

Master of Engineering Management (MEM)

expected Dec.2023

*A collaborative program taught by faculty from the **Thayer School of Engineering** and the **Tuck School of Business**.*

### Tsinghua University

Beijing, China

B.Eng. in Industrial Engineering, GPA: 3.63/4.00

Aug.2017 - Jul.2022

Minor in Economics, GPA: 3.50/4.00

Aug.2017 - Jul.2022

## WORK EXPERIENCE

### Meituan, Beijing, China

Feb.2022 - Jun.2022

*Strategy & Investment Intern, Strategy & Investment Platform*

- Assessed on investment trends in the direction of new energy and carbon neutrality and organized 50 expert interviews.
- Completed competitive analysis of power battery leading companies from the perspectives of team background, mainstream products, technology prospects, etc., to provide decision-making reference for investment work

### Meituan Grocery (Top 1 in China), Shanghai, China

Sep.2021 - Oct.2021

*Business Analysis Intern*

- Analyzed millions of weekly business data of competitors; deployed business intelligence reports, business categories, and strategies analysis.
- Constructed model with python to evaluate downstream supply chain efficiency to provide reference for multi-source data verification and downstream supply chain layout optimization.

### HUAWEI Technologies Co., Ltd., Beijing, China

Jul.2021 - Sep.2021

*Technology Research Engineer Intern, Central Research Institute in 2012 Laboratory*

- Investigated and figured out patterns for human mobility and communication. The patterns were conducted based on not only real-world data but also my deep understanding of human factors and statistical science.
- Designed and implemented user's ICT intention prediction model based on scenario, including time, location, app and Bluetooth usage, etc. The prediction model is based on decision tree and random decision forest.

### Didi Chuxing Technology Co., Ltd. (Top 1 in China), Beijing, China

Jun.2020 - Sep.2020

*Product Manager Intern, Map Internationalization Department*

- Designed the tutorial interaction with Axure for the platform used for updating special location's information, like airport and train station. The design was launched in 2020 to help operation managers learn how to use the platform.
- Analyzed thousands of bad cases with parking problems with SQL and R, investigated 50 typical cases in depth, established a judgment system for identifying parking problems and improved accuracy of identifying inappropriate pickup points by 5%.

## RESEARCH EXPERIENCE

### Analysis of Gait Characteristics of Young Patients with Low Back Pain, Beijing, China

Sep.2021 - Jun.2022

*Researcher; Advisor: Pei-luen Patrick Rau, Professor of Tsinghua University*

- Explored the influence of low back pain conditions and subjective feelings on gait of patients, extracted gait parameters in a more daily situation to provide the possibility of self-monitoring for patients with low back pain.

### Smart Medical Service System Based on Data-driven and System Science, Beijing, China

Mar.2020 - Jun.2021

*Research Assistant; Advisor: Xiaolei Xie, Professor of Tsinghua University*

- Focused on the problem of high first-diagnosis rate in three-class hospitals, constructed a referral model using Anylogic, and carried out the medical consortium design and performance evaluation of the two-way referral.

## AWARDS

Tang Lixin Excellent Scholarship (TOP 1%), Tsinghua University

2020 - 2021

Scholarship for Excellent Social Work, Tsinghua University

2021

Scholarship for Overall Excellence (TOP 5%), Tsinghua University

2020

## SKILLS & INTERESTS

*Skills:* Python, R, SQL, Anylogic, C

*Interests:* Debate (President of Tsinghua IE Debate Team), Piano (Grade nine in piano-playing)