



SUMMARY

- Second grade graduate majoring in Intelligent Transportation System Engineering
- Familiar with Python, C#, Word, Excel, PowerPoint, etc. Processed 11.7G trajectory data using Python
- Good communication and coordination skills, strong adaptability to the new environment, strong writing and expression skills, good service awareness
- Can start the internship at any time, more than 3 days per week and for 3 months.

EDUCATION

Master's degree: Tongji University

Sep 2020 - Jun 2023

School of Transportation Engineering: Intelligent Transportation System Engineering

Honorary Award: Excellence Award of Shanghai College Student Transportation Innovation Competition (2021)

Bachelor's degree: Tongji University

Sep 2016 - Jun 2020

School of Transportation Engineering: Transportation management engineering

GPA: 4.39/5.00 (ranking 1/19)**Honorary Award:** Third Prize of Outstanding Undergraduate Scholarship of Tongji University (2016-2017)

First Prize of Outstanding Undergraduate Scholarship of Tongji University (2017-2018, 2018-2019)

Second Prize of the Sixth National Logistics Design Competition for College Students (2018)

Third Prize of 18th "Tong Lu Ren" Traffic Science and Technology Competition (2019)

Outstanding Graduate of Tongji University (2020)

PROJECT EXPERIENCE

Application Scenario Research and Simulation Evaluation System of Vehicle-Road Cooperative System

Dec 2019 - Oct 2020

- Demand analysis: Investigate and analyze the main difficulties in the development of the current ICV safety and efficient test platform, collect and sort out the requirements and characteristics of each test scenario. Clarify the platform architecture design, simulation scenario design and platform information flow design
- Technology research and development: Responsible for the map matching module. Processed trajectory data based on the DBSCAN algorithm. Vissim was used to simulate map data. Hidden Markov Model (HMM) was used to match GPS trajectory data points to road sections, and ArcGIS was used to present matching results.
- Tool (language): C#

Analysis of the Comprehensive Benefit Evaluation of the Mass Transit Public Transport System

Dec 2019 - Oct 2020

- Demand analysis: Investigate and analyze the defects of the existing evaluation index system, sort out representative indicators, and clarify evaluation goals and needs
- Technology research and development: The comprehensive benefit evaluation index system of the mass transit public transportation system was constructed, and the index evaluation calculation method was proposed based on the actual available data. Using GPS trajectory data, the bus travel time dispersion ratio, the front distance dispersion ratio and other indicators were calculated.
- Tool (language): Python

National key research and development plan: Urban Multi-mode Transportation System Collaborative Control Key Technology and System Integration

Mar 2021 - Present

- Demand analysis: Field investigation of the operation status of the intersections in Suzhou, Wujiang, Kunshan and other cities. Clarify the demonstration scenarios and solutions for the bottleneck problems of each intersection
- Coordination and communication: Participate in the implementation and verification of project results such as real-time traffic signal optimization control, bus signal priority control, and smart collaborative management and control platform in five demonstration cities (Suzhou, Wuxi, Kunshan, Wuhan, and Jinan)
- Tools: Word, Excel, PowerPoint, Visio, etc.

Societies and organizational experiences

Deputy Director of the Office of the Administrative Department of the Youth League Committee of Tongji University

Feb 2017 - Jun 2017

Assisted the administrative department of the school the Youth League in its daily work. Communicated and coordinated the work between the Youth League and each youth league branch.

League Branch Secretary of the Class

Mar 2018 - Jun 2020

Assisted the Youth League to complete the daily work of the Youth League branch of the class, organized the members of the Youth League branch to hold the major learning exchange meetings, theme debate competitions and other group day activities. Held regular class meetings.

Commissary in Charge of Organization of the 15th Party Branch of the Graduate School of Transportation Engineering, Tongji University

Oct 2021 - Present

Organized the branch to study the party constitution and party history every month. Organized and led the branch members (30+ people) to visit the red education bases such as the site of the Second National Congress of the Communist Party of China and the former residence of Sun Yat-sen.

Deputy Manager of Charity Love House, Jiading Campus, Tongji University

Sep 2020 - Present

Organized book rafting activities in Jiading campus and collected a total of more than 1000 books. Organized student academic dress rental activities and served more than 80 students. Provided cat food for stray cats.

SKILLS, CERTIFICATIONS & OTHERS

- **Skills:** Python, C#, SQL, SPSS, Office, Visio, Xmind, etc.
- **Certifications:** Shanghai Computer Rank Examination Level 3 (Database)
- **Languages:** English (CET-6)(601), TOEFL (102)
- **Interests:** Guzheng (level 10), guitar