

Zheng Nan

Political-status:Member

Fresh graduate

Age: 21

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Native place: Yunnan



Education

2020.09 ~ 2024.07

Beijing Jiaotong University

Traffic and Transportation (Undergraduate)

Major course: Operational Research in Management 83; Python Language Programming 87; Introduction to Intelligent Transportation System; Management 89; Economics of Traffic and Transportation 95; Integrated Transportation Planning and Design; Engineering Mechanics 90; Foundation and Application of Artificial Intelligence 89; Transportation Operations Management; Urban Passenger Transport Management 88; Planning and Design for Urban Rail Transit; Rail transit train operation control technology 90; Supply chain management scheme design: A

Project

2022.03 ~ 2022.05

Analysis of Passenger Flow Characteristics of Urban Rail Transit Based on Swipe Card Data

The Subway card swiping data (580,000 + pieces) of Beijing Subway CBD channel in morning peak based on the four-stage method of traffic and passenger flow prediction was processed by Python. Analyzed the OD data of passenger flow, established the network extension structure diagram, constructed the section distribution diagram of passenger flow of the line, and obtained the data. (transfer volume, multiply-drop volume, etc.).

2023.04 ~ 2023.05

Modeling and Streamline Evaluation of Weigongcun Subway Station

Anylogic was used to conduct 3D modeling of Weigongcun subway Station, and simulated passenger flow in and out of station, riding and fire emergency evacuation. Calculated the emergency evacuation time, evaluated the evacuation route, pointed out the problem, determined the rationality of the station equipment, and developed the appropriate evacuation plan.

Honor

University-level "Internet +" ,1st; University-level Jinshixuan Cup transportation ,2nd; National College Students Traffic Science and Technology Competition University-level ,2nd; 2022 College-level Excellent Youth League cadres

Experience

2023.07

Beijing Subway

1. Beijing Rail Transit Command Center: On-the-job learning of urban rail transit operation dispatching;2. Beijing Line 1 Caoqiao Depot: Learning the compilation of operation diagrams;3. Station emergency evacuation simulation: Learning about passenger flow emergency organization and emergency plans;4. Train simulation driving.

2023.07

Zhengzhou Metro

1. Zhengzhou Subway Line 1 East of Zhengzhou Depot: Daily operations such as vehicle maintenance and overhaul, involving standardized train operation, EMU simulator driving; Compiling crew scheduling plans, scheduling workflow;2. Zhengzhou East Station: Station operations, passenger flow organization at large transfer stations.

Campus

2020.09 ~ 2022.07 The National Flag-raising Team: Participated in 40+ school activities as flag-raiser, including sports games, cultural festivals and daily flag-raising ceremonies; Participated in the Beijing competition once.

2020.09 ~ 2021.07 Youth Volunteer Service Group: Participated in 10+ volunteer projects, involving automobile museum, Haidian Hospital, warm breakfast, etc.

2023.02 ~ 2023.09 Red Education Summer Practice: Studied the development path of red culture in Beijing and visited the revolutionary sites, including the former residence of Li Dazhao and the Red Building of Peking University.

Skills

English skills: Suitable for bilingual environment, have passed CET-6

Computer skills: Proficient in python; Familiar with C++.

Professional skills: 1. Office software: Word, ppt 2. Simulation software: Anylogic, SketchUp; 3. Design and drawing software: PS, AutoCAD.