

# Fan Jiaxin

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## Education

### Beijing Jiaotong University, China

MSc in Transportation Planning and Management

Percentage: 87/100 (Total Credits: 18/32)

Sep 2021 – Present

### Nanjing Agricultural University, China

BSc in Transportation

GPA: 3.65/4.5

Sep 2017 - Jun 2021

**Thesis:** Design And Optimization Of A Disc Brake.

**Supervisor:** Associate Professor Guozhu Zhao

## Project Experiences

### Research Assistant

Beijing Jiaotong University

Sep 2021 - Present

Beijing, CN

- Ongoing projects on Urban Rail Transit

### Research Assistant

Nanjing Agricultural University

Mar 2019 - Jun 2020

Nanjing, CN

- Successfully designed and implemented a roof-greening automatic irrigation system with advanced features, including remote control functionality through the SMS platform
- Developed a robust drive control circuit and MCU program using Keil C, ensuring reliable operation of the system
- Optimized the performance of the STC89C51 single-chip machine through simulation using Proteus software, resulting in an efficient and reliable solution

## Work Experience

### Private Tutor

Leling Education

Nov 2020 - Jun 2021

Nanjing, China

## Student Work Experience

**2017.09-2018.06:** Member of New Media Center, Student Union, Youth League Committee of Agricultural Machinery Department

**Work content:** WeChat content publish; Video edit; Poster design; Photo shot.

**2018.09-2019.06:** The leader of Press and Media Center, Career Development Association.

**Work content:** Operation of WeChat official account; Photoshoot of activities; Management of the department.

## Research Interests

Intelligent Transportation Systems, Data Analysis and Visualization, Machine Learning, etc.

## Relevant Skills

**Programming Languages:** Intermediate at Python, C, MATLAB.

**Applications:** AutoCAD, TransCAD, ArcGIS, SPSS, VisSim, Cisco Packet Tracer, Adobe Photoshop, Adobe Premiere Pro, Adobe After Effect, VOSviewer.

## Certifications

**2019:** Advanced AutoCAD-Vocational and Technical Training Certificate

**2019:** NCRE-4 (National Computer Rank Examination)

**2018 & 2019:** CET4(628), CET6 (549)

## Awards/Scholarships

**2017-2018 & 2019-2020:** National Inspirational Scholarship

**2017-2018 & 2018-2019:** Merit Student Scholarship

**2019:** Outstanding Leader Merit Student of the Career Development Association

**2019:** Third Prize of "Internet +" Innovation and Entrepreneurship Competition of Nanjing Agricultural University

**2018:** Third Prize of National English Contest for College Students