

# Hanyang Chen

🌐 [github.com/hanyang-chen](https://github.com/hanyang-chen)   🌐 [hanyang-chen.github.io](https://hanyang-chen.github.io)   ✉ [hanyangchen@bjtu.edu.cn](mailto:hanyangchen@bjtu.edu.cn)

## Education

<b>Beijing Jiaotong University</b> <i>M.E. in Computer Science and Technology</i>	<b>Beijing, China</b> <i>Sep. 2023 - Jun. 2026 (expected)</i>
<b>Beijing Jiaotong University</b> <i>B.E. in Computer Science and Technology</i>	<b>Beijing, China</b> <i>Sep. 2019 - Jun. 2023</i>

## Publications and Under Review Manuscripts

- **Proactive-XLight: Proactive Traffic Signal Control with Pluggable and Reliable Traffic Prediction**  
Yang Jiang, Shengnan Guo, **Hanyang Chen**, Xiaowei Mao, Youfang Lin, Huaiyu Wan  
*IEEE Transactions on Mobile Computing*, 2025. (Early Access)
- **DiffLight: A Partial Rewards Conditioned Diffusion Model for Traffic Signal Control with Missing Data**  
**Hanyang Chen**, Yang Jiang, Shengnan Guo, Xiaowei Mao, Youfang Lin, Huaiyu Wan  
*The 38th Annual Conference on Neural Information Processing Systems*, 2024. (Spotlight)

## Competitions

<b>National E-Commerce Challenge Competition for College Students, Provincial 1st Prize</b>	<i>Aug. 2025</i>
<b>National College Student Computer System Capability Competition, National 3rd Prize</b>	<i>Aug. 2022</i>
<b>MathorCup Mathematical Modeling Challenge, National 2nd Prize</b>	<i>Jun. 2022</i>

## Awards and Scholarships

- **NeurIPS Scholar Award**, 2024
- **National Scholarship**, Beijing Jiaotong University, 2024
- **Outstanding Graduate Students of Beijing**, Beijing Jiaotong University, 2023

## Academic & Patent Experience

### Pattern Experience

- As the fourth inventor of patent "A Traffic Signal Control Method Based on DRL and Situation Prediction".

### Academic Activities

- Attend the Conference on Neural Information Processing Systems (NeurIPS) (Sep 2024).
- Attend the CCF Intelligent Transportation Systems Conference (Sep 2024).

### Academic Services

- Reviewer: NeurIPS'25, CCKS'25

## Teaching Experience

<b>Deep Learning, Teaching Assistant, BJTU</b>	<i>Fall 2024 &amp; Fall 2025</i>
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### Research Guidance, College Students' Innovation Project, BJTU

- Team Member: Jiarui Cao, Minlong Yang, Ruinian Fang, National-level (Top 10%), 2024-2025
- Team Member: Jingwen Chen, Shiheng Wan, Jiawei Wang, Provincial-level (Top 20%), 2023-2024