

# Jiaojiao Fan

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🏠 <https://sbyebs.github.io/>

## EDUCATION

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**Georgia Institute of Technology**  
*PhD student in Machine Learning*  
Advisors: Dr. Yongxin Chen

2020 - present

**Shanghai Jiao Tong University**  
*Bachelor in Mechanical Engineering*

2015 - 2019

## PUBLICATIONS

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### Preprints

\* - equal contribution

3. **On the complexity of the optimal transport problem with graph-structured cost**  
Isabel Haasler\*, **Jiaojiao Fan\***, Johan Karlsson, Yongxin Chen  
*under review, 2021.*
2. **Scalable Computation of Monge Maps with General Costs**  
**Jiaojiao Fan\***, Shu Liu\*, Shaojun Ma\*, Yongxin Chen, Haomin Zhou.  
*arXiv:2106.03812 (under review), 2021.*
1. **Stein particle filtering**  
**Jiaojiao Fan**, Amirhossein Taghvaei, Yongxin Chen.  
*under review, 2021.*

### Conference Publications

2. **Scalable Computations of Wasserstein Barycenter via Input Convex Neural Networks.**  
**Jiaojiao Fan**, Amirhossein Taghvaei, Yongxin Chen.  
*International Conference on Machine Learning (ICML), 2021 (Long Talk 3%).*
1. **Watch for failing Objects: What Inappropriate Compliance Reveals about Shared Mental Models in Autonomous Cars.**  
Yosef Razin, Jack Gale, **Jiaojiao Fan**, Jaznae' Smith, Karen Feigh  
*Human Factors and Ergonomics Society (HFES) Annual Meeting, 2021.*

## SELECTED AWARDS AND HONORS

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- **SJTU Pacesetter Award** (Student Highest Honor in SJTU) 2018
- **Tang Lixin Scholarship** (Top 0.5%) 2017
- **China National Scholarship** (Top 2%, Twice) 2017, 2018
- **Shanghai Outstanding Graduates** (Top 5%) 2019

## SKILLS

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- Programming Language: Python
- Professional Software: Microsoft AirSim, Unreal Engine, ROS