

# MINGHUAN LIU

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## EDUCATION

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### Shanghai Jiaotong University (SJTU)

Sep. 2019 - Now

Ph.D. in Computer Science and Technology

Research Interest: Imitation Learning, Reinforcement Learning, Multi-Agent Systems

- Apex Data & Knowledge Management Lab
- Advisor: Weinan Zhang

### Southwest Jiaotong University (SWJTU)

Sep. 2015 - July. 2019

B.S. in Computer Science and Technology

- Overall GPA: 3.84/4.0    Ranking: 1/98
- Key Lab of Cloud Computing and Intelligent Technology
- Advisor: Tianrui Li

## PUBLICATIONS / PREPRINTS

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### Energy-Based Imitation Learning.

Minghuan Liu, Tairan He, Minkai Xu, Weinan Zhang.

Arxiv Preprint. **Arxiv**.

### Multi-Agent Interactions Modeling with Correlated Policies.

Minghuan Liu, Ming Zhou, Weinan Zhang, Yuzheng Zhuang, Jun Wang, Wulong Liu, Yong Yu.  
The 8th International Conference on Learning Representations. **ICLR 2020**.

### Generative adversarial exploration for reinforcement learning.

Weijun Hong, Menghui Zhu, Minghuan Liu, Weinan Zhang, Ming Zhou, Yong Yu, Peng Sun.

Proceedings of the First International Conference on Distributed Artificial Intelligence. **DAI 2020**.

### Automatic Proofreading in Chinese: Detect and Correct Spelling Errors in Character-level with Deep Neural.

Qiufeng Wang, Minghuan Liu, Weijia Zhang, Yuhang Guo and Tianrui Li.

The 8th CCF International Conference on Natural Language Processing and Chinese Computing. **NLPCC 2019**.

## AWARDS & HONORS

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TOP 6, Finalist of Sports Analytics Challenge (sponsored by PSG)

2019

TOP 10, SCADA Data Missing Repair Competition

2019

TOP 3, AI Challenger 2018 in Weather Forecasting

2018

National First Prize, China Undergraduate Mathematical Contest in Modeling

2017

Meritorious Winner, Mathematical Contest In Modeling

2017

China National Scholarship  $\times 2$  (1%)

2016&2017

Tang Lixin Scholarship (1‰)

2017

IBM Scholarship (1‰)

2017

Special Grade Comprehensive Scholarship  $\times 4$  (1%)

2016 - 2017

## SKILLS

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Machine Learning: Tensorflow, Scikit-Learn, lightGBM

Programming Languages: Python, MATLAB, C / C++, Java, LATEX

**Standard Tests:** TOFEL(88 for now), CET-6(574), CET4(616)

**Hobbies and Interests:** Swimming, Soccer

## **LEADERSHIP & EXTRACURRICULAR ACTIVITIES**

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**Monitor of Class**

*Sept. 2015 - Present*

· Got the highest collective honor of SWJTU named Loyalty Class, only awarded to 9 undergraduates' classes.

**Outstanding Volunteers**

*Mar. 2016*