

# 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*