

TAIRAN HE

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EDUCATION

Shanghai Jiao Tong University (SJTU)

Sep. 2018 - Present

B.E. in Computer Science and Technology (IEEE Honored Class)

- Overall GPA: 3.58/4.00, 86.7/100

- Major GPA: 3.75/4.00, 89.8/100

RESEARCH EXPERIENCES

Apex Data & Knowledge Management Lab, SJTU

Jun. 2019 - Present

Advisor: Prof. [Weinan Zhang](#)

- Research Interest: Reinforcement Learning, Imitation Learning, Representation Learning

PUBLICATIONS

Energy-Based Imitation Learning

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

International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2021. **(oral)**

- EBIL, a two-stage density estimation imitation learning framework.

- Proposed the idea of using a score matching objective to first estimate the expert energy, which is then used as a fixed reward function for a standard RL algorithm.

- Conducted the experiment of empirical analysis and on MuJoCo benchmark baselines.

PROJECT EXPERIENCES

SJTU Anonymous Forum

Feb. 2020 - Present

- Developed a carefree forum for SJTU students sharing and talking with anonymous identity, with **more than 10000+ users using right now in SJTU campus.**

Stock Analysis System (EE208 Ranking 1/140)

Sep. 2019 - Jan. 2020

- Developed a stock portal website that visualizes stock market information and summarizes story news, giving analysis and predictions by unsupervised learning.

A Mapmatic Academic System (EE201 Ranking 1/143)

Feb, 2019 - Jun. 2019

- Developed a visualized academic system which fully discovered the connection and its evolving feature among researchers and papers in big scholarly data.

AWARDS & HONORS

SJTU Zhiyuan Scholarship (5%)

2019

Scholarship for Excellent Academic Performance

2018

SKILLS

Machine Learning: TensorFlow, PyTorch

Programming Languages: Python, MATLAB, C / C++, Java, PHP, L^AT_EX

Standard Tests: CET-6 (533), CET-4 (570)

Hobbies and Interests: Basketball, Soccer, Photograph (Check [my video blogs](#) for more!)