



Jidi Tutorial

Content

| | |
|--|---|
| Jidi Platform——Start your AI pathway | 1 |
| Introduction | 1 |
| Leaderboard..... | 2 |
| Total Rank | 3 |
| Environment Rank..... | 3 |
| Check Newest Evaluation Matches | 3 |
| Environment | 3 |
| Introduction | 3 |
| Check the Environment | 4 |
| Submit Your Algorithm | 4 |
| Algorithm | 6 |
| Introduction | 6 |
| Competition..... | 6 |
| Introduction | 6 |
| Participate in Competition..... | 6 |
| Discussion | 8 |
| Introduction | 8 |
| Personal Profile | 8 |
| Tags | 8 |

Contact: yan.song@ia.ac.cn

Jidi Platform——Start your AI pathway

Introduction

Jidi is an online evaluation platform providing fair agent evaluation for submitted algorithms. The platform supports various testbeds/simulators/environments/games and live user ranking, implements plenty of baseline algorithm for reference purpose, holds great AI competitions and enables online discussion. User can submit their algorithms to a particular environment and know the live ranking after rounds of evaluation. User can also participant in AI competitions to compete with other user and receive competition certificates. Additionally, advanced user can hold customized competitions on Jidi by simply submitting an application. Such a competition can either be a contest proposed by the

enterprises or a coursework for students.

Jidi consist of the following six sections:

1. **Environment:** supports various games;
2. **Competition:** holds online AI competitions;
3. **Algorithm:** provides algorithm description and open-sourced training framework;
4. **Leaderboard:** provides live user ranking;
5. **Forum:** enables online discussion;
6. **Profile:** checks personal information and agent submissions;

Website address: <http://www.jidiai.cn>

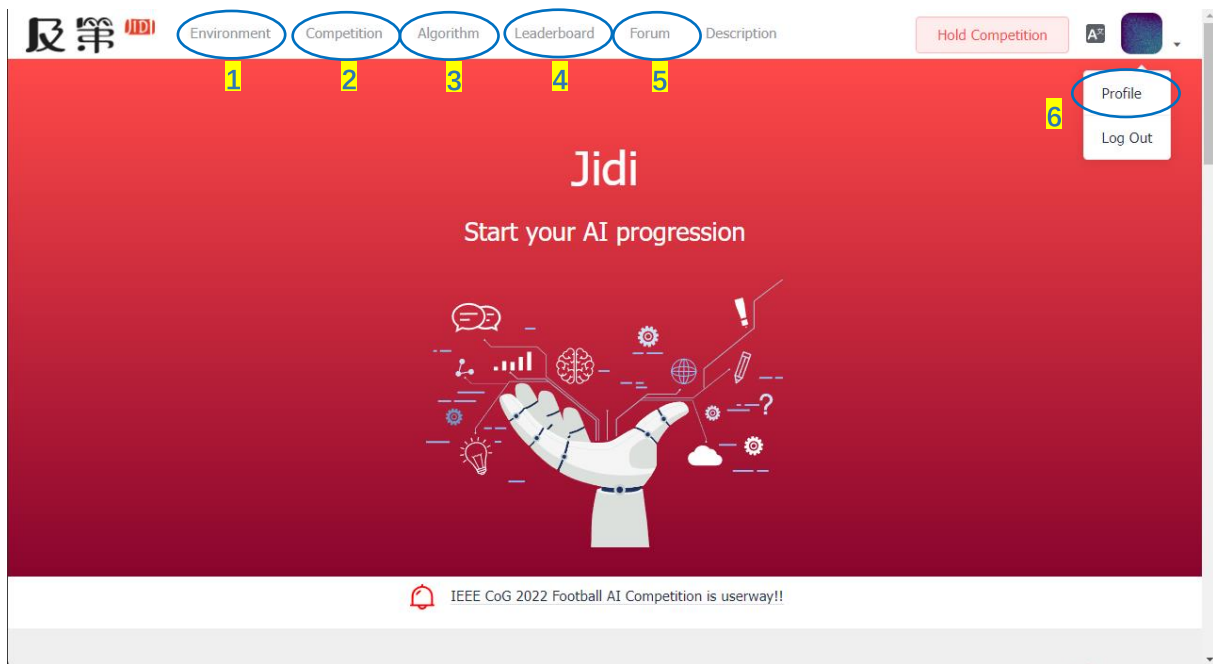


Figure 1 Jidi webpage

Leaderboard

Leaderboard shows the user rank for each particular game and the total rank demonstrating users' general skills of designing a decision-making agent.

Website address: <http://www.jidiai.cn/leaderboard>

Total Rank

The total rank averages user's rank at each individual game. To access the total rank, click into the **Leaderboard** section and select *LeaderBoard* in the dropdown list. See the Figure 2.

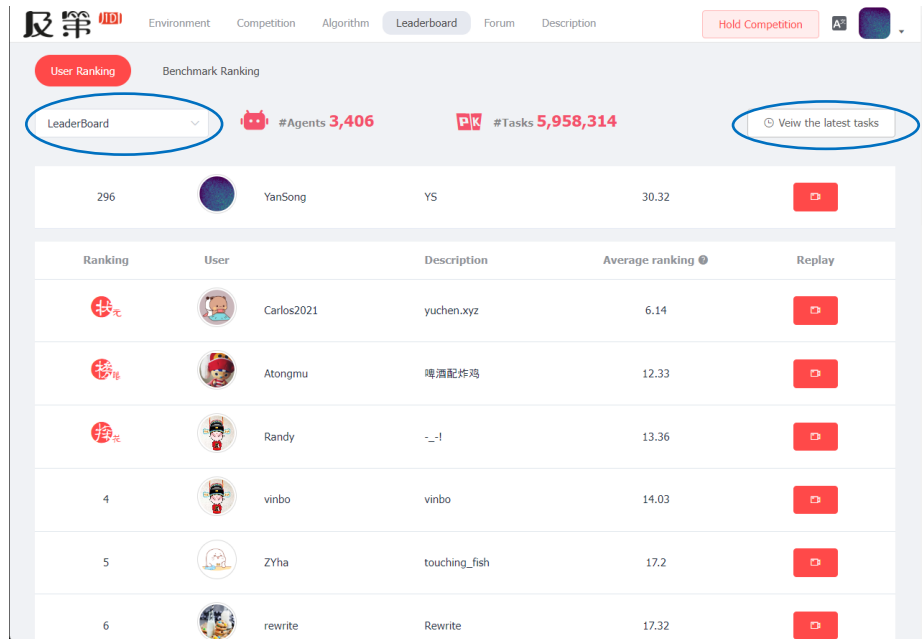


Figure 2 Jidi Leaderboard

Environment Rank

To access the ranking in each individual game, select xxx in the dropdown list (xxx is the game name).

Check Newest Evaluation Matches

To see the results of the newest evaluation matches, click the tag *View the latest tasks* on the top-right corner (see Figure 2).

Environment

Introduction

The environment section provides the users with plenty of environments/games at various difficulties. User can submit their algorithms to a particular game and check evaluation results after rounds of evaluation. Jidi collects widely-used games from both academy and industry, as well as design our own game engines. Some examples of the chosen environments are: OpenAI Gym, SMARTS self-driving simulator, SMAC, etc.

Website address: <http://www.jidi.ai.cn/environment>

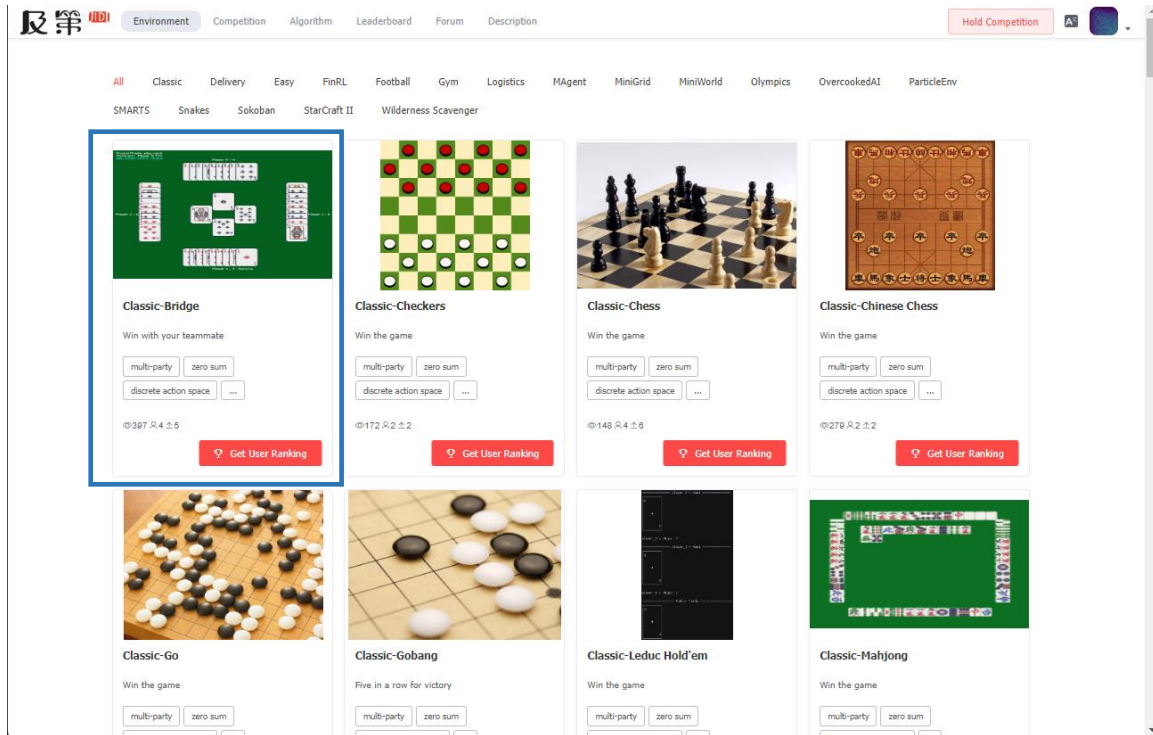


Figure 3 Jidi Environment section

Check the Environment

Click the environment card to see the detail description of each environment.

Submit Your Algorithm

In the environment description page (such as Bridge environment), click the *submission* button in the top-right corner. Then fill in the algorithm name, upload the files and click *submit* button to finish the submission.

After submission, user can check the status in the personal profile page. A green tick in the submission list means that the newest submission has passed the test and is ready for evaluation. An illustration can be found in Figure 4.

Note that the backend only retains the newest copy of the submission. The follow-up submission to the same environment will replace previous submission. The uploaded files must satisfy the following terms:

1. All files are one of the following format: .py, .pth, .pkl, .pt or .json;
2. Contains a submission.py file;
3. The number of file is no more than 6;

Algorithm

Introduction

The algorithm section introduces decision-making algorithm and reinforcement training framework.

Website address: <http://www.jidi.ai.cn/algorithm>

Competition

Introduction

Jidi holds multiple AI competitions. These competitions are either open to public or customized for particular participants. Some past held competitions are: *IJCAI-ECAI 2022 AI-Olympics contest*, *IEEE CoG Football AI contest*, etc.

Website address: http://www.jidi.ai.cn/compete_list

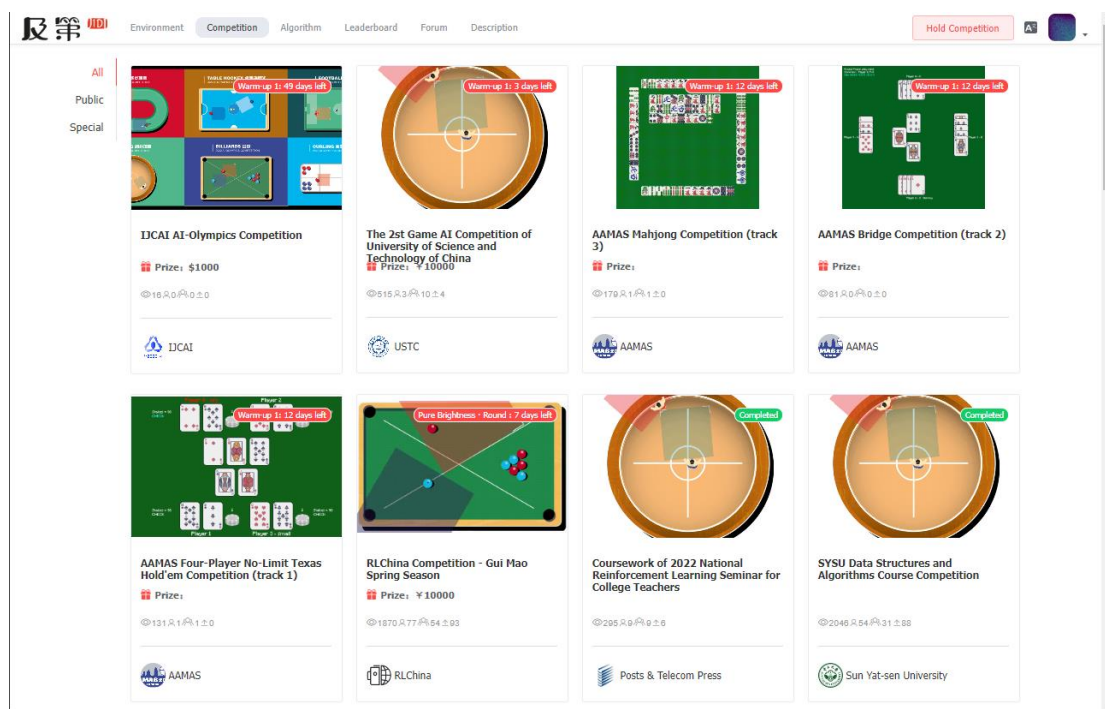


Figure 5 Jidi competition section

Participate in Competition

How to register

To register the competition, first click the competition card (take *Four-player No-limit Texas Hold'em* as an example) and click the *Enroll* button. Then fill in the required information and click *sign up*. An illustration is given in Figure 6. To check your enrollment, you can either click the *Enrollment* in the competition description page or in the personal profile. Note that use need to register the competition as a team with maximum number of team members 3.

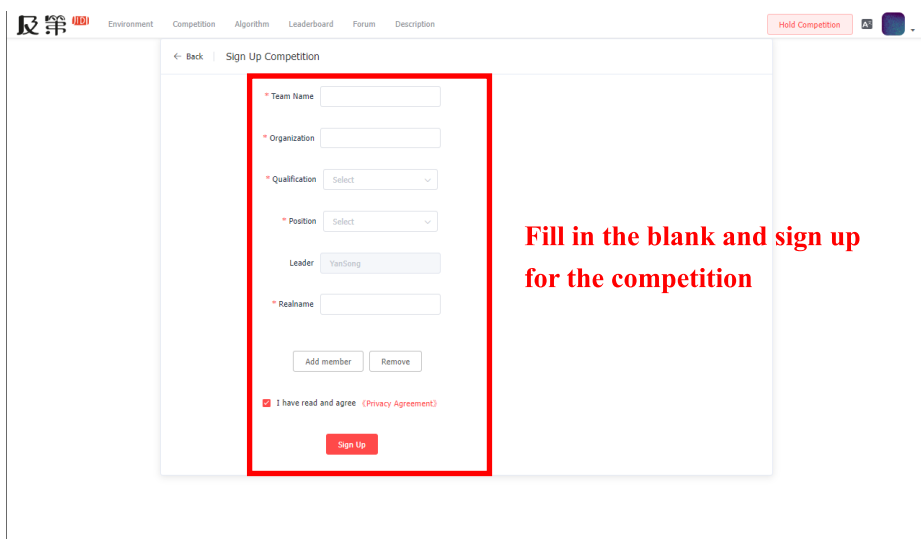
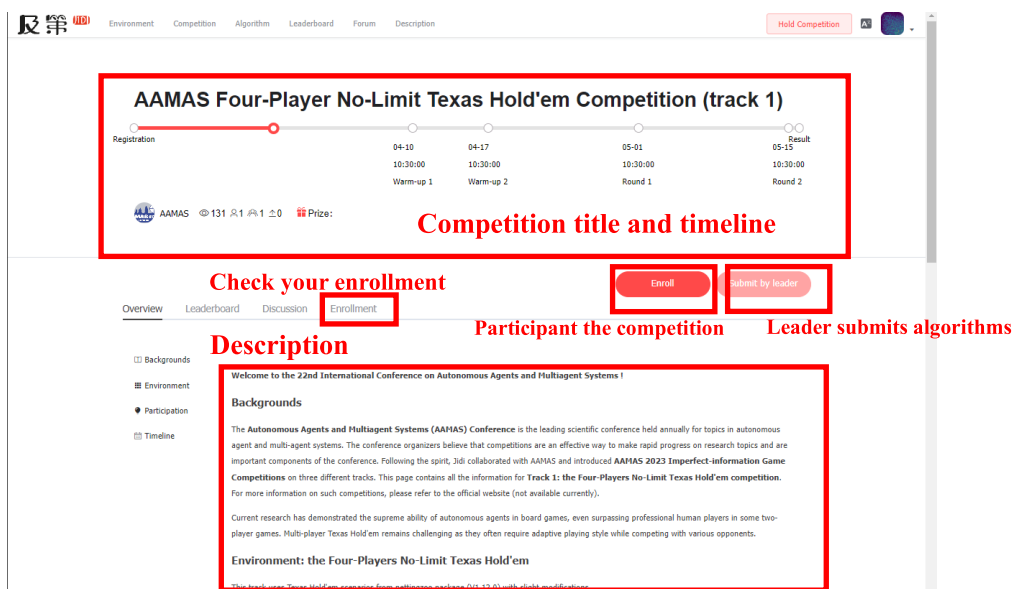
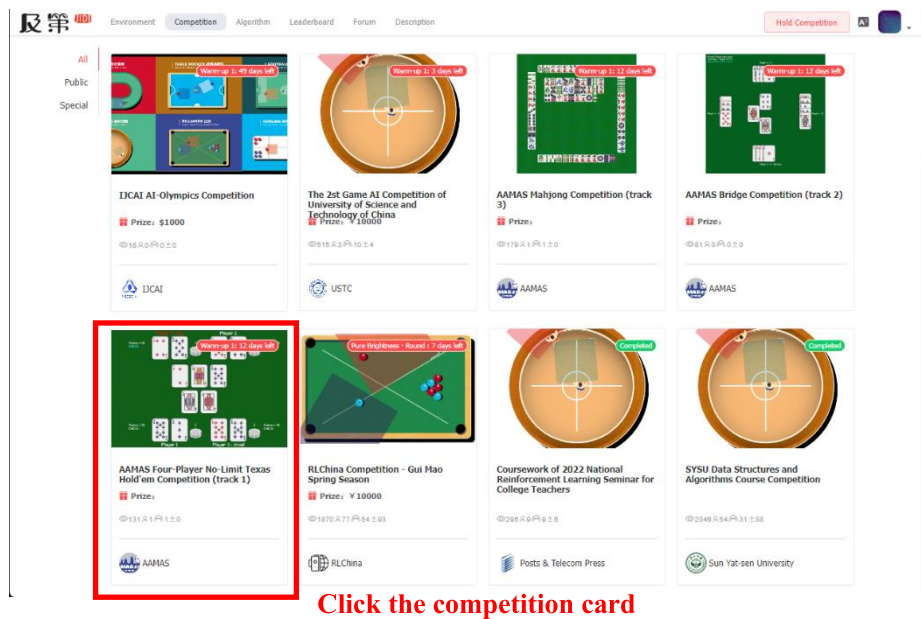


Figure 6 How to register for the competition

Competition Submission

The team leader submits their algorithm before the deadline. Simply click the *Submit by leader* button. Make sure to check your submission status in the personal profile page afterwards.

Check Competition Results

After particular timeline, the backend start competition evaluation automatically and the results will be shown in the competition description page. User can also check their competition ranking in the personal profile page.

Discussion

Introduction

The Jidi discussion page enable the users to discuss topics and share their ideas freely. User can also post any question regarding the platform.

Personal Profile

Tags

- Ranking List: status of all submission in the Environment section (after daily evaluation);
- My Games: every match evaluation of my submission;
- Submission List: status of my submission;
- My Competition: my submission for the competition;

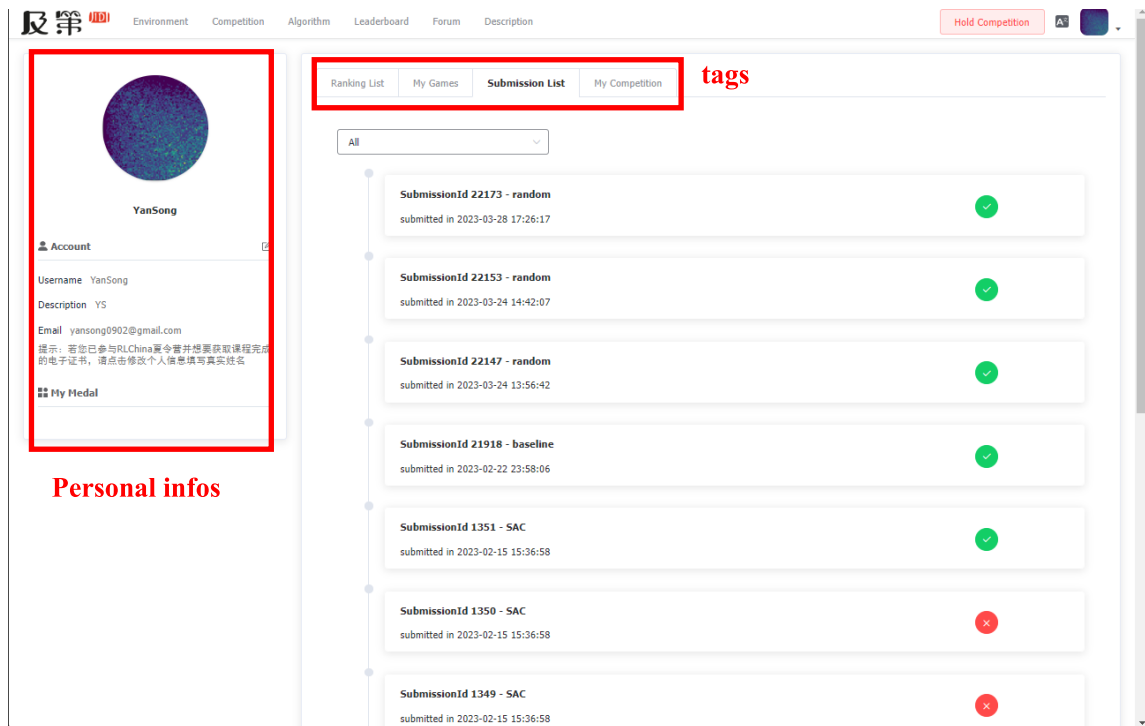


Figure 7 Jidi personal profile page