

# CS420 Machine Learning: RL Course Project

## 1 Python2.7 + Minpy + OpenAI Gym

OpenAI Gym: <https://gym.openai.com/docs>

Minpy:

```
git clone --recursive https://github.com/dmlc/mxnet
cd mxnet
git checkout remotes/origin/engine
make -j $(nproc) USE_OPENCV=1 USE_BLAS=openblas
cd python
sudo python setup.py install
pip install minpy
```

## 2 Task: Pong

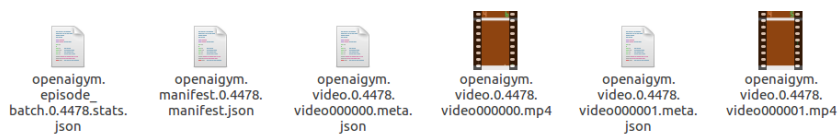
<https://gym.openai.com/envs/Pong-v0>

git clone <https://github.com/dmlc/minpy.git>

example codes in “minpy/examples/rl/policy\_gradient/pong\_model.py”

## 3 Evaluation

```
from gym import wrappers
self.env = gym.make("Pong-v0")
self.env = wrappers.Monitor(self.env, log_path, force=True)
```



Compress the folder along with your codes into a (zip) file, and submit to [hcai@apex.sjtu.edu.cn](mailto:hcai@apex.sjtu.edu.cn).