Zhou Ruipeng

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Biography

Nickname: Revan

Gender: Male

Age: 25

Date of Birth: August. 1995

Blog: https://thswind.github.io

Research Area: Deep Reinforcement learning

Master: Department of Computer Science and Technology, Guizhou University(211-project, Double First-Class)

Political Status: Member of Chinese Information Processing Society of China

ID photo

Education

Guizhou University   September 2014 – July 2018.
- Software engineering   Bachelor   4 years

Guizhou University   September 2018 – July 2021.
- Computer application technology   Master   3 years

Project

National Natural Science Foundation of China   March 2018 – December 2019
- Research on dynamic optimization model and algorithm based on Reinforcement Learning(participate in).

Researches   January 2019 – June 2021
- Research on exploration and utilization of deep reinforcement learning
- Sampling method based on sample evaluation
- Sample evaluation method based on incremental Euclidean distance

Design and Implementation of Game Strategy Based on DeepMind Lab   January 2018

> There are many games on DeepMind Lab. This project uses the Q-learning algorithm in reinforcement learning to improve the agent's strategy for selecting actions, and designs a game strategy based on image pixel size calculation to select actions. Use gradient descent to update the weight of each pixel. (Python)

Implementation of Xiaogan Mall System Based on JavaWeb   November 2017

> The functions of the system include authority management, merchandise management, order management, registration and login and verification. (**participate in**)

Implementation of Image Website Crawler Based on Java Language September 2017

> This project to save the crawled pictures into the local folder corresponding to the webpage and continue to crawl the crawled pictures or the links of the pictures, and so on, there are more than 500 crawled in total. Finally I manually terminated it (Java)

Content Analysis of Hangzhou G20 Summit Based on R Language March 2017

> Use crawler technology to collect information about the Hangzhou G20 Summit on the Internet in advance to realize the word cloud of G20 news. And use R language to draw intuitive analysis diagrams, which are the keywords of the G20 summit (R)

Task schedule reminder program based on bat file April 2016

> Use the script language to call the entire year's schedule in excel, combined with the computer's scheduled tasks to automatically start the script, the script automatically extracts the tasks of the day from excel and displays them in the middle of the screen. (dos script)

Talks

Presentation in AI Team **Guiyang, Guizhou** September 2018 – June 2021
- Reinforcement Learning: An Introduction
- Learning to Communicate with Deep Multi-Agent Reinforcement learning
- Noisy Networks for Exploration
- Sampling method based on sample evaluation

Presentation in GZU **Guiyang, Guizhou** October 2020
- Sampling method based on sample evaluation

English Skills

CET 4, CET 6 Listening&Speaking(fine)

Awards and Honors

Graduate students second-class scholarship, 2018

Technical Skills

Language: Python, C, JAVA **Proficiency:** DOS, Ubuntu&Linux server
Database: SQL Server **Typesetting:** Latex, Office(word, excel)
Web: HTML, CSS, JAVAWEB

Hobbies and specialties

Hobbies	specialties
• Run (marathon)	• fitness (1.2-1.4 times self weight 3RM)
• Photoshop (fine)	• Chinese chess (School level competition [runner-up])
• swimming (15+ years)	• pen-and-ink calligraphy (Award winning)
• guitar, flute	

Part-time experiences

Wendu educational institution   Teacher   October 2020
  • Computer operating system
  • Data structure

Haiwen educational institution   Teacher   October 2019

Volunteering Experiences

IAAF World Cross Country Championships 2015   translation volunteer   2015.
Alibaba cloud Developer Conference southwest Summit   volunteer   2014.
Three voluntary support activities in the countryside[Tongren] Leader   2016.
Three voluntary support activities in the countryside[Zunyi] Leader   2017.