



General Information

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Gender: male

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Professional: Computer Technology

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Professional Experience

1. Worked as an **intern** at Video Analysis Group, Intelligent Platform Department, **iQIYI**.
2. Multi-instance learning and deep learning based **anomaly detection** in surveillance scene.
3. **Video shot boundary detection** using fully convolutional networks(on our auto-generated data).
4. Implement **action recognition** algorithm inflated 3D convolution network independently.
5. Implement **action recognition** algorithm temporal segment network independently.
6. **Molecular activity prediction** based on **graph neural network** and **memory mechanism**.
7. **Clustering analysis** on 30 NBA teams' data based on **Hadoop**.
8. Using **reinforcement learning** algorithm--**Q-Learning** to play a simple game "coin pirates".
9. Pattern recognition and machine learning assignment: using different algorithms to do classification task on Iris dataset and compare their accuracy, including **KNN**, **SVM**, **K_Means**, **DNN**.
10. An implementation of algorithm **HSA-RNN**, which aims to summarize a video into a short segment whose content represent the whole video.
11. I'm now doing research on anomaly detection using **GAN**.
12. Design of building video intercom based on Android. **Patent number:** CN201620098872.0.
13. Windows and Java based personal finance management **software**.
14. **Other projects:** Participating in the development of core functions of book management system, Matlab based qpsk modulate; Frequency adjustable triangular wave generator based on 51 MCU.

Skills

1. CET4 and CET6.
2. Solid theoretical foundation of machine learning (deep learning) , deep understanding of common algorithms.
3. Familiar with several CV task, including **Action Recognition**, Object Detection, Image Recognition, Video Captioning, etc.
4. Familiar with common data structures and algorithms.
5. Familiar with several programming language, including **Python**, **Java** and **C**.
6. Familiar with deep learning framework **TensorFlow**.

7. Familiar with **Opencv, Linux, Hadoop**, etc.

Honors and Awards

1. Won **national scholarship**, university comprehensive scholarship, **science and innovation scholarship**, etc.
2. Won the second prize in mathematics competition.
3. Won the second prize in the 2014 Lan Qiao Cup programming contest.
4. Won the electronic design competition prize, the second prize in the school's mathematical modeling contest, third prize in the university entrepreneurship competition.
5. Once was appointed the instructor assistant, student association sports department vice-minister, public relations department vice-minister.
6. Named as merit student, excellent student leader and excellent league members.

Self Description

I love delve into algorithm and technology. I have the ability to constantly update my knowledge. I am good at analyzing and solving problem and have good team work spirit. I am positive and optimistic, and have great passion for what I am doing.