李云轩

"Eat, Drink and Be Merry, For Tomorrow We Die"

Contact.

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Basic info.

Personal info: Yunxuan Li
Education: Huazhong University Of Science And Technology, School of Optical and Electronic Information
GPA: 81.87/100.0
English: IELTS：7.0 / TOEFL：102
Blog: ualyx.com
GitHub: www.github.com/monkeydchopper

Tech.

- C\C++
- Opencv
- Robotics
- C51
- matlab
- python
- Android

I have great passion for robot, UAV and every geek gadgets.

Research Experience.

iCAN2014 international competition，second prize 2014.4 - 2014.7

Group leader and main embeded software developer

A smart clock which connects sensors buried in the bed, can supervise people's sleep quality
I mainly programme in the microcontroller part and partly participate in the develop of Android app

Robocup international competition(Humanoid Kidsize league), final eight 2014.7 - 2015.11

Team leader and a member of computer vision group Team description paper

Deal with vision algorithm, ball and goal rocognition, robot localization
Main developer of robot's state machines
Cooperate with INMOTION and acquire sponsorship

A New Efficient Real-Time Arbitrary Colored Ball Recognition Method for a Humanoid Soccer Robot Paper

The ball recognition algorithm in Robocup is challenging with regard to the computing complexity and false positive rate. This paper proposes a new method to deal with the real-time arbitrary colored ball recognition for a humanoid soccer robot
the paper was recruited by WCICA 2016

Intern at Songshan Lake International Robot Industry Base 2016.7 - 2016.9

Software intern

I participate in developing a sweeping robot
My task is to develop a method for a vacuum robot to autonomously find its charging pile and navigate itself to approach it

Side project

Angry bird based on FPGA (2016.3 - 2014.5)

This is a curriculum design
I mainly deal with the VGA display part and design of the state machines

A humanoid toy robot (2016.3 - 2016.6)

We cooperate with INMOTION and develop a humanoid toy robot
I do some kinematic simulation and arrange the schedule

Leetcode_solution (2016.4 -) code

I'm sorting out some classical leetcode problems and solutions

A personal homepage based on hexo (2016.4 -) code demo

I use it as a blog and notebook to record my learning process and skills summary