

Fei Yi-ran

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- EDUCATION** *Undergraduate student of Software Engineering, School of Software*
Since Sep 2010, expected to graduate in JUN 2014
- COMPUTER SKILLS** *Languages: C, C++, Python, java, Web coding(javascript, php, html)*
Platform: Linux(PC), Windows(PC), ARM Linux(ARM embedded system)
Skills: Ability to use version control system in developing projects(C,C++,python,java)
Familiar with the application layer of Linux
- SUBJECTION GRADE** *Major Subjects: C, C++, Data Structure, Operating System, Embedded System*
GPA: 3.5/5.0 (or 85/100)
Scholarship: The 3rd scholarship from SUN YAT-SEN UNIVERSITY
- EXPERIENCE** *SYSUs Lab opening ProjectSelf-Control Flying Quadrators* Dec 2012 - now
Contains 2 different kinds of architecture:
- A 4-axis unmanned quadcopter based on the MultiWii(An open source control project
site: <https://code.google.com/p/multiwii/>
Construct the physical model.(See on my site.)
Modify and apply the MultiWii code on an Arduino control Chip.
Testify the 2-leveled PID control algorithm in MultiWii.
Test the whole system in practise.
 - A 4-axis unmanned quadcopter designed from chip level
Construct the model based on the circuit diagram designed by team mate.
Design and code the control system (via Wifi) in an ARM system using ARM Linux and Qt4.
- Moving robot project from BoChuang's Robot Cup* Aug 2012 - Dec 2012
Note: The competition is canceled for some reason. For photos, visit the personal site.
- Moving robot with wheels and manlike body controlled by ARM system(Intel's Xscale)
Design and construct the architecture of the robot.
Design control code to make the robot in both static and dynamic stability, and control it to finish some simple job like grasping, throwing and dancing.