

Grassroots startup project sharing

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**Computer vision algorithm
Stereo vision
deployment on FPGA**

You don't need a PhD to design a cutting edge product.

What you will learn in the end

Demos that you can do in the end:

1. <https://youtu.be/avOE0U4dMCY>
2. <https://youtu.be/se1tly5UWpE>
3. <https://youtu.be/iO0MZLmZf58>
4. <https://youtu.be/BIUoqIPO0g8>

The Best way to learn is to design a real project.
Then you may have your shining ideas that you want to put on FPGA, and start your own startup

The tutorial plan

- Let's read the papers together
- Design algorithm on computer using C++
- System diagram design
- Write Verilog code for each module & simulation
- FPGA on-board debugging (zynq 7020)
- Embedded linux os bringing up
- Writing linux device driver
- Design application APPs on arm and linux computer for demo

Why I do this tutorial

As grassroots we all have dreams, lets help each other.

Help you,help us. Tiananmen Square Massacre: Black Night In June <https://youtu.be/hA4iKSeijZI>

The world need to hear our voice : 4th June 1989 is a special day for every Chinese, we were so close to democracy ! But the Tiananmen square massacre killed thousands of good people, and then came the so-called global economy,all foreign governments embracing Chinese Communist Party, giving it a chance to grow from a little snake to nowadays giant monster, hunting us not just in China but all over the world, people who pursuing freedom and justice keep disappearing secretly. Since when people all over the world seemed to be indifferent to human rights any more? Is it too shame or is it too low ? We talk about high tech and good business every day, but shame to care about human rights in China ?

The world is connected as a whole, our today is your child's future. The red power is penetrating every corner of your country, wake up and read about its history,you will know its ambitions,what we have lost today will be yours tomorrow.

Tank man : <https://youtu.be/YeFzeNAHEhU>

Michael Jackson - Earth Song – Live <https://youtu.be/buCdGwH2Efc>

You are losing good jobs every year

- Because we have no human rights, we have no labor union to protect us
- Over printed money and controlled currency ratio
- Low salary and forced to work 996, otherwise fired
- In global economy, any western company would prefer to hire 10 Chinese good listening smart engineers than hiring you, because you are too expensive and not working overtime
- So more and more jobs flow to China, you could lose your job !

Can foreign company in China live long?

- No
- Again learn the history, the government are just using them, don't be shortsighted.
- They got everything they want, these companies will be kicked out one by one.
- **Never trust a promise from a government who massacred their own people. Before they took power they were deceiving us with a promise of democracy, but after we help them take the power, they gave us the world's most ugly dictatorship**
- **A** (trade) **wall for a** (great fire) **wall**

Coming next

➤ Read papers

致良知

走一條路
讓更多人有路可走

小愛是家
是財富

大愛是
人間疾苦
社會公平、良知和正義

助人者
人助之
天佑之

褪去蛇皮
修得幾千年的
等待

Thank you



Snap shot From Michael Jackson - Earth Song – Live <https://youtu.be/buCdGwH2Efc>