

# Ni-Ching 'Monica' Lin

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## Education

Tamkang University (TKU),

Department of Electrical Engineering ( Ranking: 4/60 ) 09/2012-06/2016

Wesley Girls High School 09/2009-06/2012

## Research Interests

Control System, Computer Vision, Robotic

## Selected Courses

Embedded Systems, Fuzzy Theory, Arduino Interactive Device Design, Theory and Applications of Sensors

## Honors & Awards

Second Alumni Scholarship electronic Tamkang University 06/2013

International Robot Hands on Competition & Symposium 2014-2015

College of Engineering, Tamkang University Dayu Award 05/2015

Champion of HIWIN Intelligence Robot Implementations Contest 07/2015

World Robot Olympiad 09/2015

## Programming language

C/C++, Verilog, LabVIEW, VHDL

## Research Experience

Undergraduate Researcher, Intelligent Control Lab (I.C.Lab),TKU. 07/2014-06/2016,

Advisor: Professor Ching-Chang Wong

### **Research of modular grippers**

- The modular grippers are designed to quickly switch and adapt to different tasks for high productivity. By designing structures, circuits and programming, the grippers can accomplish different motions, such as holding, opening to a specific width for the objects of different shapes and sizes.
- I contribute to circuit design and programming. First, I design the circuit layout as small as I can to put it into the gripper. Then, separated the power and signal to lower the interference. Finally, I accomplish a suitable program for the gripper.