# Tz-Ying (Gina) Wu

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*Seeking a PhD Placement by September, 2018*

## Education

**Master of Science in Electrical Engineering**                    Feb. 2016 – present

National Tsing Hua University (NTHU), Taiwan

- Research field: Computer Vision, Machine Learning, Deep Learning

**Bachelor of Science in Electrical Engineering**                    Sep. 2012 – Jan. 2016

National Tsing Hua University (NTHU), Taiwan

- Overall GPA: 4.02/4.3, overall ranking: 10/99

## Honors and Distinctions

| | |
|---|---:|
| CVGIP 2017 Excellent Paper Award | Summer 2017 |
| NTHUEE Admission Scholarship | Fall 2016 |
| NTHU EECS Excellent Student Scholarship | Fall 2014 |
| Jia-Bin Chen Scholarship (only 3 in the department) | Fall 2014 |
| Top 3 scholarship (top 3 in class) | Fall 2013 |
| Breaking records in athletics of NTHU 3 times | Fall 2012 – Spring 2013 |

## Research Experience

**Vision Science Lab, NTHUEE**                    Feb. 2016 – present

Computer Vision, Machine Learning, Deep Learning

- Develop wearable camera and IOT system with embedded boards.
- Conduct deep learning experiments for learning human behaviors.

**Undergraduate Project**                    Sep. 2014 – Jun. 2015

- FPGA Design of Accelerators with High-level Evaluation and Synthesis Tools

## Publications and Demo

**Conference Paper**

- Anticipating Daily Intention using On-Wrist Motion Triggered Sensing, by **Tz-Ying Wu\***, Ting-An Chien\*, Cheng-Sheng Chan, Chan-Wei Hu, Min Sun. (ICCV 2017 Spotlight)

**Conference Demo**
- Recognition from Hand Cameras: A Revisit with Deep Learning, by Cheng-Sheng Chan, Ting-An Chien, **Tz-Ying Wu**, Min Sun. (ACCV 2016)

## Relevant Work Experience

**Summer Intern, IMEC-Taiwan CO. R&D department**                                     Summer 2015
- Design and implement neuron-signal generator, encoder, and decoder framework

## Teaching Experience

**Teaching Assistant (NTHUEE)**
- Deep Learning Lab (offered in English)            UNITEC - NTHU Summer School 2017
- Signals and Systems                                                Feb. 2017 - Jun. 2017
                                                                     Feb. 2016 - Jun. 2016
- Introduction to Programming (C/C++)                                 Sep. 2015 - Jan. 2016

## Extra-curricular Activities

Member of EE student association of academic affair            Fall 2014 – Spring 2015
                                                               Fall 2012 – Spring 2013
Team leader in the NTHUEE women basketball team                Fall 2014 – Spring 2015
Assisting in holding 2014 NTHU International Week                         Spring 2014
Member of NTHU track and field team                            Fall 2012 – Spring 2013

## Technical Skills

Caffe, Tensorflow, PyTorch, C/C++, Python, Matlab, linux, Verilog, Assembly, hspice, laker, LaTex

## Language Skills

English (High-Intermediate), Chinese (native)

## References
- Professor Min Sun, Electrical Engineering, National Tsing Hua University (advisor)
- Professor Mi-Chang Chang, Electrical Engineering, National Tsing Hua University
- Mr. Tao Lee, software technical manager, IMEC-Taiwan CO.