TZ-YING (GINA) WU

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EDUCATION

Ph.D. in Electrical and Computer Engineering *Sep. 2018 - present*
University of California San Diego, USA
Research field: Computer Vision, Deep Learning (advised by Prof. Nuno Vasconcelos)
GPA: 3.88/4.0

Master of Science in Electrical Engineering *Feb. 2016 - Jan. 2018*
National Tsing Hua University (NTHU), Taiwan
Research field: Computer Vision, Deep Learning (advised by Prof. Min Sun)
Overall GPA: 4.27/4.3

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 (graduated a half-year earlier)

HONORS AND DISTINCTIONS

UCSD Electrical and Computer Engineering Department Fellowship	*Fall 2018*
Appier Scholarship for attending international conference	*Fall 2017*
NTHU EECS Scholarship for attending international conference	*Fall 2017*
CVGIP 2017 Excellent Paper Award	*Summer 2017*
NTHU EE Admission Scholarship for outstanding students	*Fall 2016*
NTHU EECS Scholarship for outstanding students	*Fall 2014*
Jia-Bin Chen Scholarship for outstanding students in EE	*Fall 2014*
NTHU scholarship for academic excellence	*Fall 2013*
Breaking records in athletics of NTHU on three occasions	*Fall 2012 - Spring 2013*

PUBLICATIONS AND DEMOS

Solving Long-tailed Recognition with Deep Realistic Taxonomic Classier *ECCV 2020*
Conference Paper

Tz-Ying Wu, Pedro Morgado, Pei Wang, Chih-Hui Ho, and Nuno Vasconcelos

Explainable Object-induced Action Decision for Autonomous Vehicles *CVPR 2020*
Conference Paper

Yiran Xu, Xiaoyin Yang, Lihang Gong, Hsuan-Chu Lin, **Tz-Ying Wu**, Yunsheng Li, Nuno Vasconcelos

**Exploit Clues from Views: Self-Supervised and Regularized Learning for
Multiview Object Recognition** *CVPR 2020*
Conference Paper

Chih-Hui Ho, Bo Liu, **Tz-Ying Wu**, Nuno Vasconcelos

Liquid Pouring Monitoring via Rich Sensory Inputs *ECCV 2018*
Conference Paper

Tz-Ying Wu*, Juan-Ting Lin*, Tsun-Hsuang Wang, Chan-Wei Hu, Juan Carlos Niebles, Min Sun

Anticipating Daily Intention using On-Wrist Motion Triggered Sensing   *ICCV 2017*
Conference Paper (Spotlight)

Tz-Ying Wu*, Ting-An Chien*, Cheng-Sheng Chan, Chan-Wei Hu, Min Sun

Recognition from Hand Cameras: A Revisit with Deep Learning   *ACCV 2016*
Conference Demo

Cheng-Sheng Chan, Ting-An Chien, **Tz-Ying** Wu, Min Sun

WORK EXPERIENCE

IMEC-Taiwan CO. R&D department   *Summer 2015*
Signal Processing Intern
· Designed and implemented neuron-signal generator, encoder, and decoder framework.

RESEARCH EXPERIENCE

Statistical Visual Computing Lab, UCSD (advised by Prof. Nuno Vasconcelos)   *present*
· Conduct research on long-tailed recognition problems.

Vision Science Lab, NTHUEE (advised by Prof. Min Sun)   *Feb. 2016 - Jun. 2018*
· Developed wearable camera and IOT system with embedded boards.
· Conducted deep learning experiments for learning human behaviors.

Undergraduate Research (advised by Prof. Jing-Jia Liou)   *Sep. 2014 - Jun. 2015*
· FPGA Design of Accelerators with High-level Evaluation and Synthesis Tools

TEACHING EXPERIENCE

Teaching Assistant (UCSDECE)
· Statistical Learning II   *Winter 2019*

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

TECHNICAL SKILLS

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

LANGUAGE SKILLS

English (high-intermediate), Chinese (native)

EXTRA-CIRRUCULAR

Student volunteer   *ACCV 2016, ICCV 2017*
Member of EE student association of academic affair *Fall 2014 - Spring 2015, Fall 2012 - Spring 2013*
Team leader in the NTHUEE womens 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*