

EDUCATION

National Taiwan University

M.Sc. in Department of Computer Science & Information Engineering 2015–2018
– GPA: 3.97/4.30, Rank: 60/152

National Taiwan University

B.Sc. in Department of Computer Science & Information Engineering 2011–2015
– GPA: 4.02/4.30, Rank: 7/111

EXPERIENCE

Institute of Information Science, Academia Sinica

Research Assistant Apr. 2019 –Now
– Continual learning
– Image retrieval, hash code learning
– Network pruning

NTU IoX Center, National Taiwan University

System Administrator July 2016 –Feb. 2017
– Maintaining IOX center website, and personal computer troubleshooting

Institute of Information Science, Academia Sinica

Summer Internship July 2016 –Aug. 2016
– Local feature learning, and trainable SIFT descriptors

NTU RoboPAL Team, National Taiwan University

Undergraduate Student Feb. 2014 –Jan. 2015
– Our team makes the top 8 in Standard Platform League of RoboCup 2014 in João Pessoa, Brazil.

PUBLICATIONS

- [1] **C.-H. Tu**, J.-H. Lee, Y.-M. Chan, and C.-S. Chen, “Pruning depthwise separable convolutions for mobilenet compression”, in *IEEE International Joint Conference on Neural Networks (IJCNN)*, 2020, pp. 1–8.
- [2] **C.-H. Tu**, C.-E. Wu, and C.-S. Chen, “Extending conditional convolution structures for enhancing multitasking continual learning”, in *Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*, 2020, pp. 1605–1610.
- [3] S. C.-Y. Hung, **C.-H. Tu**, C.-E. Wu, C.-H. Chen, Y.-M. Chan, and C.-S. Chen, “Compacting, picking and growing for unforgetting continual learning”, in *Advances in Neural Information Processing Systems (NeurIPS)*, 2019, pp. 13 669–13 679.
- [4] **C.-H. Tu**, C.-Y. Yang, and J. Y.-j. Hsu, “Idennet: Identity-aware facial action unit detection”, in *IEEE International Conference on Automatic Face & Gesture Recognition (FG)*, 2019, pp. 1–8.

- [5] H.-F. Yang, **C.-H. Tu**, and C.-S. Chen, “Adaptive labeling for deep learning to hash”, in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops*, 2019.
- [6] H.-F. Yang, **C.-H. Tu**, and C.-S. Chen, “Adaptive labeling for hash code learning via neural networks”, in *IEEE International Conference on Image Processing (ICIP)*, 2019, pp. 2244–2248.
- [7] H.-F. Yang, T.-Y. Chen, **C.-H. Tu**, and C.-S. Chen, “Equivalent scanning network of unpadded cnns”, *IEEE Signal Processing Letters*, vol. 25, no. 10, pp. 1590–1594, 2018.

AWARDS

- The Presidential Award (5%), National Taiwan University Fall 2013
- The Presidential Award (5%), National Taiwan University Fall 2012

CERTIFICATE

- Reviewer in Pattern Recognition, ELSEVIER 2020

INVITED TALKS

- **Compacting, Picking and Growing for Unforgetting Continual Learning** December 2020
AI Forum 2020 at Howard Civil Service International House, Taipei, Taiwan

SKILLS

- **Programming Languages:** C/C++, Python, MATLAB, Java
- **Frameworks:** Caffe, Pytorch, Tensorflow, Theano, Numpy, Scikit-learn

TEACHING

- **Teaching Assistant** at National Taiwan University Fall 2017
Course: Introduction to Digital Signal Processing