YU-YING YEH

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EDUCATION

University of California, San Diego — La Jolla, CA
Master's Student, Computer Science and Engineering — *Sep. 2018 - Present*

National Tsing Hua University & **National Chiao Tung University** — Hsinchu, Taiwan
Non-matriculated Status, Computer Science, Overall GPA: 4.30/4.30 — *Sep. 2016 - Jan. 2017*

National Taiwan University — Taipei, Taiwan
B.Sc. in Physics and B.A. in Economics, Overall GPA: 3.80/4.30 — *Sep. 2010 - Jun. 2015*

· **Relevent Coursework:** Data Structures, Algorithms, Operating Systems, Computer Architecture, Machine Learning, Calculus, Linear Algebra, Statistics, Differential Equations, Advanced Statistical Inference

RESEARCH EXPERIENCE

Center of Visual Computing, University of California, San Diego — La Jolla, CA
Graduate Student Researcher, Supervised by Prof. Manmohan Chandraker — *Sep. 2018 - Present*

· **Domain Adaptation, Material Reconstruction**

National Taiwan University & **Academia Sinica** — Taipei, Taiwan
Research Assistant, Supervised by Prof. Yu-Chiang Frank Wang — *Oct. 2016 - Aug. 2018*

· **Video Generation/Inference:** Generated full-length videos given frames occurring on specific timing; Leveraged image-based and temporal-based deep generative models and recurrent neural networks
· **Feature Disentanglement** & **Multi-Domain Image Translation/Manipulation [1]:** Learned domain-invariant representation with a unified architecture for multi-domain image translation and manipulation
· **Cross-Domain Image Synthesis** & **Disentangled Representation Learning [2]:** Learned cross-domain disentangled representation; Cross-domain image synthesis and translation given attribute information
· **Depth/Disparity Estimation** & **Semantic Segmentation:** Exploited image semantics for improved disparity estimation from monocular images

PUBLICATIONS

[1] A. Liu, Y.-C. Liu, **Y.-Y. Yeh**, Y.-C. F. Wang. A Unified Feature Disentangler for Multi-Domain Image Translation and Manipulation. In *NIPS*, 2018.
[2] Y.-C. Liu, **Y.-Y. Yeh**, T.-C. Fu, S.-D. Wang, W.-C. Chiu, & Y.-C. F. Wang. Detach and Adapt: Learning Cross-Domain Disentangled Deep Representation. In *CVPR*, 2018. (**Spotlight**)
[3] Y.-J. Li, F.-E. Yang, Y.-C. Liu, **Y.-Y. Yeh**, X. Du, & Y.-C. F. Wang. Adaptation and Re-Identification Network: An Unsupervised Deep Transfer Learning Approach to Person Re-Identification. In *CVPR workshop*, 2018.

TEACHING & WORK EXPERIENCE

National Taiwan University — Taipei, Taiwan
· *Lecturer, Introduction to Neural Network and Convolutional Neural Network* — *Jul. 2018*
· *Teaching Assistant, Deep Learning for Computer Vision* — *Mar. 2018 - Jun. 2018*
· *Teaching Assistant, Algorithms* — *Sep. 2017 - Jan. 2018*

Cathay United Bank — Taipei, Taiwan
· *Assistant Structured Product Manager* — *Aug. 2015 - Jun. 2016*

SKILLS

· **Computer & Software:** C/C++, Python(TensorFlow), Octave/Matlab, VBA, Stata, HTML, Excel, LaTeX
· **Languages:** Chinese Mandarin (Native), English (Fluent), Japanese (Basic)

HONORS & AWARDS

· **First Place Award** in GAN Project Competition 2017, Ministry of Science and Technology, Taiwan
· **Excellent Work** in 2011 Competition for Innovative Experiments in General Physics