YU-YING YEH

EDUCATION

University of California, San Diego — La Jolla, CA
Master's (Ph.D. since Fall'19) Student, Computer Science and Engineering, GPA: 4.0/4.0 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, Computer Vision, Calculus, Linear Algebra, Statistics

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, Shape Reconstruction:** Recover shape information from transparent object images and handle the domain gaps between synthetic and real data

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 and temporal-based deep generative models and recurrent neural networks (IJCAI'19 Submission)
- **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

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

University of California, San Diego — La Jolla, CA
- *Teaching Assistant, Introduction to Computer Vision (CSE 152)* — *Jan. 2019 - Mar. 2019*
- *Graduate Student Research, Center of Visual Computing* — *Sep. 2018 - Present*

National Taiwan University — Taipei, Taiwan
- *Teaching Assistant, Deep Learning for Computer Vision* — *Mar. 2018 - Jun. 2018*
- *Teaching Assistant, Algorithms* — *Sep. 2017 - Jan. 2018*

SKILLS

- **Computer & Software:** C/C++, Python(TensorFlow, PyTorch), Octave/Matlab, VBA, Stata, HTML, 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