YU-YING YEH

3869 Miramar Street #1939, La Jolla, CA 92092 • (+1) 949-439-9618 • yuyeh@eng.ucsd.edu • yuyingyeh.github.io

EDUCATION

University of California, San Diego — La Jolla, CA
Ph.D. Student, Computer Science and Engineering, GPA: 3.9/4.0 — *Sep. 2018 - Present*

National Tsing Hua University & **National Chiao Tung University** — Hsinchu, Taiwan
Non-matriculated Status, Computer Science, Overall GPA: 4.3/4.3 — *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*

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*

· **Transparent Shape Reconstruction [1]:** Built a physically-based network to recover 3D shape information from transparent object 2D images

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

· **Video Generation/Inference [2]:** Generated full-length videos given frames occurring on specific timing; Leveraged image and temporal-based deep generative models and recurrent neural networks

· **Feature Disentanglement** & **Multi-Domain Image Translation/Manipulation [3]:** Learned domain-invariant representation with a unified architecture for multi-domain image translation and manipulation

· **Cross-Domain Image Synthesis** & **Disentangled Representation Learning [4]:** Learned cross-domain disentangled representation; Cross-domain image synthesis and translation given attribute information

PUBLICATIONS

[1] **Y.-Y. Yeh***, Z. Li*, M. Chandraker. Through the Looking Glass: Neural 3D Reconstruction of Transparent Shapes. In *CVPR*, 2020. (*indicates equal contribution)

[2] **Y.-Y. Yeh**, Y.-C. Liu, W.-C. Chiu, Y.-C. F. Wang. Static2Dynamic: Video Inference from a Deep Glimpse. In *IEEE Transactions on Emerging Topics in Computational Intelligence*, 2020.

[3] 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.

[4] 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**)

[5] 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: WI19, SP19)* — *Jan. 2019 - Jun. 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*

Conference Reviewer : *ICCV'19, AAAI'20, CVPR'20*

SKILLS

· **Computer & Software:** C/C++, Python(TensorFlow, PyTorch), 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