

Yu-Ying Yeh

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Education	University of California San Diego, La Jolla, CA <i>Ph.D. student</i> , Computer Science and Engineering <i>Master's student</i> , Computer Science and Engineering GPA: 3.91/4.00	Sep. 2019 - Present Sep. 2018 - Jun. 2019
	National Taiwan University, Taipei, Taiwan <i>B.Sc.</i> , Physics and <i>B.A.</i> , Economics GPA: 3.80/4.30	Sep. 2010 - Jun. 2015
Research Interest	Computer Vision, Computer Graphics, 3D Content Creation for Augmented Reality Scene Understanding, Domain Adaptation, Representation Learning	
Selected Publications	<p>[1] Y.-Y. Yeh, K. Nagano, S. Khamis, J. Kautz, M.-Y. Liu, T.-C. Wang. Learning to Relight Portrait Images via a Virtual Light Stage and Synthetic-to-Real Adaptation., <i>ACM Transactions on Graphics (SIGGRAPH Asia)</i>, 2022</p> <p>[2] Y.-Y. Yeh, Z. Li, Y. Hold-Geoffroy, R. Zhu, Z. Xu, M. Hasan, K. Sunkavalli, M. Chandraker. PhotoScene: Photorealistic Material and Lighting Transfer for Indoor Scenes., <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2022</p> <p>[3] Z. Li, T.-Y. Yu, S. Sang, S. Wang, M. Song, Y. Liu, Y.-Y. Yeh, R. Zhu, N. Gundavarapu, J. Shi, S. Bi, Z. Xu, H.-X. Yu, K. Sunkavalli, M. Hasan, R. Ramamoorthi, M. Chandraker. OpenRooms: An Open Framework for Photorealistic Indoor Scene Datasets., <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2021 (Oral)</p> <p>[4] Y.-Y. Yeh*, Z. Li*, M. Chandraker. Through the Looking Glass: Neural 3D Reconstruction of Transparent Shapes., <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2020. (Oral) (*equal contribution)</p> <p>[5] Y.-Y. Yeh, Y.-C. Liu, W.-C. Chiu, Y.-C. F. Wang. Static2Dynamic: Video Inference from a Deep Glimpse, <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i>, 2020</p> <p>[6] A. Liu, Y.-C. Liu, Y.-Y. Yeh, Y.-C. F. Wang. A Unified Feature Disentangler for Multi-Domain Image Translation and Manipulation, <i>Conference on Neural Information Processing Systems (NeurIPS)</i>, 2018</p> <p>[7] 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, <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2018 (Spotlight)</p>	
Research Experience	Research Intern Jun. 2023 - Present Collaborators: Zhengqin Li, Zhao Dong, Jia-Bin Huang, Thu Nguyen-Phuoc, Carl Marshall, Changil Kim, Lei Xiao, Cheng Zhang, Numair Khan • Relightable Appearance Transfer for Objects and Indoor Scene.	Meta Reality Lab Redmond, WA
	Research Intern Jun. 2021 - Sep. 2021 Mentors: Ming-Yu Liu, Ting-Chun Wang, Koki Nagano, Sameh Khamis, Jan Kautz • Single Image Portrait Relighting. [1]	NVIDIA Research Remote, CA

	Research Intern Jun. 2020 - Sep. 2020 Mentors: Kalyan Sunkavalli, Milos Hasan, Yannick Hold-Geoffroy, Zexiang Xu • Material and Lighting Transfer for Indoor Scenes. [2]	Adobe Research Remote, CA
	Graduate Student Researcher Sep. 2018 - Present Advisor: Prof. Manmohan Chandraker • Material and Lighting Transfer for Indoor Scenes [2] • OpenRooms: Photorealistic Synthetic Indoor Scene Dataset [3] • Transparent Shape Reconstruction [4]	University of California, San Diego La Jolla, CA
	Research Assistant Oct. 2016 - Aug. 2018 Advisor: Prof. Yu-Chiang Frank Wang • Generative Model for Video Generation and Inference [5] • Cross-Domain Disentangled Representation Learning [6,7]	Academia Sinica & NTU Taipei, Taiwan
Teaching Experience	Teaching Assistant Jan. 2022 - Mar. 2022 Instructor: Hao Su Course: Intro to Computer Vision	University of California, San Diego La Jolla, CA
	Teaching Assistant Apr. 2021 - Jun. 2021 Instructor: Manmohan Chandraker Course: Advanced Computer Vision	University of California, San Diego La Jolla, CA
	Teaching Assistant Jan. 2020 - Mar. 2020 Instructor: Manmohan Chandraker Course: Domain Adaptation in Computer Vision	University of California, San Diego La Jolla, CA
	Teaching Assistant Apr. 2019 - Jun. 2019 Instructor: David Kriegman Course: Intro to Computer Vision	University of California, San Diego La Jolla, CA
	Teaching Assistant Jan. 2019 - Mar. 2019 Instructor: Manmohan Chandraker Course: Intro to Computer Vision	University of California, San Diego La Jolla, CA
Honors / Awards	Google PhD Fellowship Meta PhD Fellowship Finalist Qualcomm Innovative Fellowship Finalist	2022 - 2024 2022 2022
Academic Services	Reviewer: ICCV '19, AAAI '20, CVPR '20, ECCV '20, NeurIPS '20, ICLR '21, CVPR '21, ICCV'21, NeurIPS'21, CVPR'22, ECCV'22, NeurIPS'22, CVPR'23, IROS'23, ICCV'23, SIGGRAPH ASIA'23, CVPR'24, Computer Graphics Forum Workshop Organizer: GeoNet @ ICCV23	
Skills	Computer Languages: C, C++, Bash, Python, MATLAB, L ^A T _E X. Toolbox/Software: PyTorch, TensorFlow, Maya, Blender. Languages: Chinese Mandarin (Native), English (Fluent), Japanese (Basic).	