

Yuheng Li

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Research

My research interests lie in controllable and multimodal image generation and manipulation, and other problems related with creative vision.

Education

University of Wisconsin–Madison, WI, USA

- Ph.D. Computer Science, 2021-present
- Advisor: Yong Jae Lee

University of California-Davis, CA, USA

- Masters, Ph.D (transferred) Computer Science, 2018-2021
- Advisor: Yong Jae Lee

Huazhong University of Science and Technology, Hubei, China

- Bachelor in Electrical and Electronic Engineering, 2014-2018
- Advisor: Yong Yang, Bo Rao

Publication

Yuheng Li, Haotian Liu, Yangming Wen, Yong Jae Lee, Generate Anything Anywhere in Any Scene, **preprint**

Mu Cai*, Zeyi Huang*, **Yuheng Li**, Haohan Wang, and Yong Jae Lee, Leveraging Large Language Models for Scalable Vector Graphics-Driven Image Understanding, **preprint**

Thao Nguyen, **Yuheng Li**, Utkarsh Ojha, Yong Jae Lee, Visual Instruction Inversion: Image Editing via Visual Prompting, **preprint**

Yuheng Li, Haotian Liu, Qingyang Wu, Fangzhou Mu, Jianwei Yang, Jianfeng Gao, Chunyuan Li, Yong Jae Lee, Open-Set Grounded Text-to-Image Generation, **CVPR2023**

Utkarsh Ojha* **Yuheng Li***, Yong Jae Lee, Towards Universal Fake Image Detectors that Generalize Across Generative Models, **CVPR2023**

Utkarsh Ojha*, **Yuheng Li***, and Yong Jae Lee, What Knowledge Gets Distilled in Knowledge Distillation? **preprint**

Yuheng Li, Yijun Li, Jingwan Lu, Eli Shechtman, Yong Jae Lee, Krishna Kumar Singh, Contrastive Learning for Diverse Disentangled Foreground Generation, **ECCV 2022**

Xueyan Zou, Fanyi Xiao, Zhiding Yu, **Yuheng Li**, Yong Jae Lee, Delving Deeper into Anti-Aliasing in ConvNets, **IJCV 2022**

Yang Xue, **Yuheng Li**, Krishna Kumar Singh, GIRAFFE HD: A High-Resolution 3D-aware Generative Model, **CVPR 2022**

Yuheng Li, Yijun Li, Jingwan Lu, Eli Shechtman, Yong Jae Lee, Krishna Kumar Singh, Collaging Class-specific GANs for Semantic Image Synthesis, **ICCV 2021**

Yuheng Li, Krishna Kumar Singh, Yang Xue, Yong Jae Lee, PartGAN: Weakly-supervised Part Decomposition for Image Generation and Segmentation, **BMVC 2021**

Yuheng Li, Krishna Kumar Singh, Utkarsh Ojha, Yong Jae Lee, Mixnmatch: Multifactor disentanglement and encoding for conditional image generation, **CVPR 2020**

Zelong Liao, **Yuheng Li***, Xiangsheng Xiao, Chen Wang, Shang Cao, Yong Yang, Electrostatic precipitation of submicron particles with an enhanced unipolar pre-charger, **AAQR 2018**

Experience

Microsoft Research, Intern.

Sept 2022- Dec 2022

Adobe Research, Intern.

June 2021- Sep 2021

Adobe Research, Intern.

June 2020- March 2021

Professional Activities

Teaching Assistant at UC Davis, Spring 2020, Computer Vision

Teaching Assistant at UC Davis, Fall 2019, Visual Recognition