

Yuheng Li

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Education

- 2020 – 2024 **Ph.D. University of Wisconsin–Madison**
Computer Science
Advisor: *Yong Jae Lee*
- 2018 – 2020 **Masters. University of California-Davis**
Computer Science
Advisor: *Yong Jae Lee*
- 2014 – 2018 **Bachelor. Huazhong University of Science and Technology**
Electrical and Electronic Engineering
Advisor: *Bo Rao, Yong Yang.*

Research Interests

My research interests lie in controllable and multimodal image generation and manipulation.

Research Publications

- 1 M. Cai, Z. Huang, **Y. Li**, H. Wang, and Y. J. Lee, “Leveraging large language models for scalable vector graphics-driven image understanding,” in *arXiv*, 2023.
- 2 **Y. Li**, H. Liu, Y. Wen, and Y. J. Lee, “Generate anything anywhere in any scene,” in *arXiv*, 2023.
- 3 **Y. Li**, H. Liu, Q. Wu, *et al.*, “Gligen: Open-set grounded text-to-image generation,” in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2023.
- 4 T. Nguyen, **Y. Li**, U. Ojha, and Y. J. Lee, “Visual instruction inversion: Image editing via visual prompting,” in *arXiv*, 2023.
- 5 U. Ojha*, **Y. Li***, and Y. J. Lee, “Towards universal fake image detectors that generalize across generative models,” in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2023.
- 6 **Y. Li**, Y. Li, J. Lu, E. Shechtman, Y. J. Lee, and K. K. Singh, “Contrastive learning for diverse disentangled foreground generation,” in *IEEE/CVF European Conference on Computer Vision (ECCV)*, 2022.
- 7 U. Ojha*, **Y. Li***, and Y. J. Lee, “What knowledge gets distilled in knowledge distillation?” In *arXiv*, 2022.
- 8 Y. Xue, **Y. Li**, K. K. Singh, and Y. J. Lee, “Giraffe hd: A high-resolution 3d-aware generative model,” in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022.
- 9 X. Zou, F. Xiao, Z. Yu, **Y. Li**, and Y. J. Lee, “Delving deeper into anti-aliasing in convnets,” in *International Journal of Computer Vision (IJCV)*, 2022.
- 10 **Y. Li**, Y. Li, J. Lu, E. Shechtman, Y. J. Lee, and K. K. Singh, “Collaging class-specific gans for semantic image synthesis,” in *IEEE/CVF International Conference on Computer Vision (ICCV)*, 2021.
- 11 **Y. Li**, K. K. Singh, and Y. J. Lee, “Partgan: Weakly-supervised part decomposition for image generation and segmentation,” in *British Machine Vision Conference (BMVC)*, 2021.
- 12 **Y. Li**, K. K. Singh, U. Ojha, and Y. J. Lee, “Mixnmatch: Multifactor disentanglement and encoding for conditional image generation,” in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020.

Intern

- June, 2023 - September, 2023  **Adobe Research** (full-time)
- September, 2022 - December, 2022  **Microsoft Research** (part-time)
- June, 2021 - September, 2021  **Adobe Research** (full-time)
- June, 2020 - September, 2020  **Adobe Research** (full-time)

Teaching Assistant

- 2020 spring  **ECS 174 Computer Vision** at UC Davis
- 2019 fall  **ECS 269 Visual Recognition** at UC Davis