

ETHAN YANG

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EDUCATION

- Cornell University** *September 2023 - Present*
Ph.D. in Computer Science
Advisor: Abe Davis
- University of California, Los Angeles** *September 2019 - June 2023*
B.S. in Computer Engineering *summa cum laude*
B.S. in Mathematics of Computation *summa cum laude*
Advisor: Achuta Kadambi, Aydogan Ozcan
- Tohoku University (Computer Vision Lab)** *March 2023 - June 2023*
Advisor: Takayuki Okatani, Masanori Suganuma

SELECTED PUBLICATIONS

- Filter-guided diffusion for controllable image generation** *SIGGRAPH 2024*
Zeqi Gu, Ethan Yang*, Abe Davis*
- Personal Time-Lapse** *UIST 2024*
Nhan Tran, Ethan Yang, Angelique Taylor, Abe Davis
- Not just streaks: Towards ground truth for single image deraining** *ECCV 2022*
Yunhao Ba, Howard Zhang, Ethan Yang, Akira Suzuki, Arnold Pfahnl, Chethan Chinder Chandrappa, Celso M De Melo, Suyu You, Stefano Soatto, Alex Wong, Achuta Kadambi

OTHER PUBLICATIONS

- ARtificate: Interactive Visual Guidance for Demonstrated Rotational Degrees of Freedom in Mobile AR** *CHI 2025*
Nhan Tran, Ethan Yang, Abe Davis
- Million Eyes on the “Robot Umps”: The Case for Studying Sports in HRI Through Baseball** *HRI 2025*
Waki Kamino, Andrea W Wen-Yi, Dhruv Agarwal, Sil Hamilton, Eun Jeong Kang, Jieun Kim, Keigo Kusumegi, Pegah Moradi, Daniel Mwesigwa, Yan Tao, I-Ting Tsai, Ethan Yang, Shengqi Zhu, Shu-Jung Han, Chi-Jung Lee, Michael Joseph Sack, Tianhong C Yu, Weslie Khoo, Andy Elliot Ricci, Yoyo Tsung-Yu Hou, Boyoung Kim, Selma Šabanović, David J Crandall, Karen Levy, Malte F Jung
- Enhancing diffusion models with 3d perspective geometry constraints** *ACM Transactions on Graphics*
2023
Rishi Upadhyay, Howard Zhang, Yunhao Ba, Ethan Yang, Blake Gella, Sicheng Jiang, Alex Wong, Achuta Kadambi
- Rapid and stain-free quantification of viral plaque via lens-free holography and deep learning** *Nature Biomedical Engineering*
2023
Tairan Liu, Yuzhu Li, Hatice Ceylan Koydemir, Yijie Zhang, Ethan Yang, Merve Eryilmaz, Hongda Wang, Jingxi Li, Bijie Bai, Guangdong Ma, Aydogan Ozcan
- Weatherstream: Light transport automation of single image deweathering** *CVPR 2023*
Howard Zhang, Yunhao Ba, Ethan Yang, Varan Mehra, Blake Gella, Akira Suzuki, Arnold Pfahnl, Chethan Chinder Chandrappa, Alex Wong, Achuta Kadambi

* denotes equal contribution