Angtian Wang

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EDUCATION

Johns Hopkins University, Maryland, USA   Sep 2019 – Present

- Ph.D. in Computer Science
- Advisor: Prof. Alan Yuille

Huazhong University of Science and Technology, Hubei, China   Sep 2015- Jun 2019

- B.S. in Electronic Information Engineering
- Graduated with Honors

WORKING EXPERIENCE

ByteDance Inc., California, USA   May 2021 – Nov 2021

- Research Intern

Meta, Reality Labs, Washington, USA   Sep 2022 – May 2023

- Research Scientist Intern

PUBLICATION

Angtian Wang, Peng Wang, Jian Sun, Adam Kortylewski, Alan Yuille. VoGE: A Differentiable Volume Renderer using Neural Gaussian Ellipsoids. *International Conference on Learning Representations*, (ICLR) 2023.

Yutong Bai*, **Angtian Wang***, Adam Kortylewski, Alan Yuille. CoKe: Localized Contrastive Learning for Robust Keypoint Detection. *IEEE/CVF Winter Conference on Applications of Computer Vision* (WACV), 2023.

Wufei Ma, **Angtian Wang**, Alan Yuille, Adam Kortylewski. Robust Category-Level 6D Pose Estimation with Coarse-to-Fine Rendering of Neural Features. *European Conference on Computer Vision*, (ECCV) 2022.

Bingchen Zhao, Shaozuo Yu, Wufei Ma, Mingxin Yu, Shenxiao Mei, **Angtian Wang**, Ju He, Alan Yuille, Adam Kortylewski. OOD-CV: A Benchmark for Robustness to Individual Nuisances in Real-World Out-of-Distribution Shifts. *European Conference on Computer Vision*, (ECCV) 2022.

Angtian Wang, Shenxiao Mei, Alan Yuille, Adam Kortylewski. Neural View Synthesis and Matching for Semi-Supervised Few-Shot Learning of 3D Pose. *Conference on Neural Information Processing Systems* (NIPS), 2021.

Angtian Wang, Adam Kortylewski, Alan Yuille. NeMo: Neural Mesh Models of Contrastive Features for Robust 3D Pose Estimation. *International Conference on Learning Representations*, (ICLR) 2021.

Angtian Wang*, Yihong Sun*, Adam Kortylewski, Alan Yuille. Robust Object Detection Under Occlusion With Context-Aware CompositionalNets. *IEEE/CVF Computer Vision and Pattern Recognition Conference*, (CVPR) 2020.

Adam Kortylewski, Qing Liu, **Angtian Wang**, Yihong Sun, Alan Yuille. Compositional Convolutional Neural Networks: A Robust and Interpretable Model for Object Recognition under Occlusion. *International Journal of Computer Vision* (IJCV), 2020.

Yuyin Zhou, Yingwei Li, Zhishuai Zhang, Yan Wang, **Angtian Wang**, Elliot Fishman, Alan Yuille, Seyoun Park. Hyper-Pairing Network for Multi-Phase Pancreatic Ductal Adenocarcinoma Segmentation. *International Conference on Medical Image Computing and Computer Assisted Intervention* (MICCAI), 2019.

Peng Tang, Xinggang Wang, **Angtian Wang**, Yongluan Yan, Wenyu Liu, Junzhou Huang, Alan Yuille Weakly supervised region proposal network and object detection. *European Conference on Computer Vision*, (ECCV) 2018.

Angtian Wang, Wufei Ma, Alan Yuille, Adam Kortylewski. Neural Textured Deformable Meshes for Robust Analysis-by-Synthesis. *arxiv preprint 2023*

Jiahao Yang, Wufei Ma, **Angtian Wang**, Xiaoding Yuan, Alan Yuille, Adam Kortylewski. Robust Category-Level 3D Pose Estimation from Synthetic Data. *arxiv preprint 2023*

Artur Jesslen, Guofeng Zhang, **Angtian Wang**, Alan Yuille, Adam Kortylewski. Robust 3D-aware Object Classification via Discriminative Render-and-Compare. *arxiv preprint 2023*

Wufei Ma, Qihao Liu, Jiahao Wang, **Angtian Wang**, Yaoyao Liu, Adam Kortylewski, Alan Yuille. Adding 3D Geometry Control to Diffusion Models. *arxiv preprint 2023*

Chen Wang, **Angtian Wang**, Junbo Li, Alan Yuille, Cihang Xie. Benchmarking Robustness in Neural Radiance Fields. *arxiv preprint 2023*

Pengliang Ji, **Angtian Wang**, Yi Zhang, Adam Kortylewski, Alan Yuille. Volumetric Neural Human for Robust Pose Optimization via Analysis-by-synthesis. *NeurIPS 2022 Workshop*

EXPERIENCE	**Leading Organize of 3rd ARROW workshop in ECCV 2022**	Oct 2022
	Organize of 4th ARROW workshop in ICCV 2023	Oct 2023
	Organize of 2nd ARROW workshop in ICCV 2021	Oct 2021
	World Science Conference of Israel	Jul 2015

REVIEW

Conference on Neural Information Processing Systems (NIPS), 2023

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023

International Conference on Learning Representations (ICLR), 2023

International Conference on Computer Vision (ICCV), 2023

International Conference on Applied Artificial Intelligence (AICONF), 2023

Winter Conference on Applications of Computer Vision (WACV), 2023

International Journal of Computer Vision (IJCV)

European Conference on Computer Vision (ECCV), 2022

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2022

International Conference on Computer Vision (ICCV), 2021

SKILL

Programming Language: Python, CUDA, C/C++, MatLab

DeepLearning Platform: PyTorch, Pytorch3D