

Kaihong Wang

Boston University, Boston, MA

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RESEARCH INTERESTS

Un/Semi-/Self-supervised Learning, Domain Adaptation, Pose Estimation, Semantic Segmentation

EDUCATION

Boston University Feb. 2020 - Present
Ph.D., Department of Computer Science
Advisor: [Margrit Betke](#)
GPA: 3.88/4.00

Boston University Sep. 2018 - Jan. 2020
M.S., Department of Computer Science
Advisor: [Margrit Betke](#)
GPA: 3.93/4.00

South China University Of Technology (SCUT) Sep. 2014 - June 2018
B.E., Department of Software Engineering.
GPA: 3.59/4.00

PUBLICATIONS

Wang K*, Kim D*, Saenko K, Betke M, Sclaroff S, “A Unified Framework for Domain Adaptive Pose Estimation”, ECCV 2022. [\[Paper\]](#)[\[Code\]](#)

Kim D, **Wang K**, Sclaroff S, Saenko K, “A Broad Study of Pre-training for Domain Generalization and Adaptation”, ECCV 2022. [\[Paper\]](#)[\[Code\]](#)

Wang K, Akash K, Teruhisa M. “Learning Temporally and Semantically Consistent Unpaired Video-to-video Translation Through Pseudo-Supervision From Generated Optical Flow”, AAAI 2022. [\[Paper\]](#)[\[Code\]](#)

Wang K, Yang C, Betke M. “Consistency Regularization with High-dimensional Non-adversarial Source-guided Perturbation for Unsupervised Domain Adaptation in Segmentation”, AAAI 2021. [\[Paper\]](#)[\[Code\]](#)

Yang C, Ablavsky V, **Wang K**, et al. “Learning to Separate: Detecting Heavily-Occluded Objects in Urban Scenes”, ECCV 2020. [\[Paper\]](#)[\[Code\]](#)

Wang K*, Jalal M*, Jefferson S, et al. “Scraping Social Media Photos Posted in Kenya and Elsewhere to Detect and Analyze Food Types”, Proceedings of the 5th International Workshop on Multimedia Assisted Dietary Management. ACM. [\[Paper\]](#)[\[Code\]](#)

WORK EXPERIENCE

Amazon Jun. 2022 - Aug. 2022
Applied Scientist Intern

- Research Topic: Self-supervised Learning
- Supervisor: Dr. Sharon Alpert

Honda Research Institute, USA Jan. 2021 - May. 2021
Research Intern

- Research Topic: Unpaired Video-to-Video Translation
- Supervisor: Dr. Kumar Akash, Dr. Teruhisa Misu

PATENTS

“System and method for learning temporally consistent video synthesis using fake optical flow”, in submission.

TEACHING EXPERIENCE

Boston University

- 2022 Spring: CS542 Machine Learning, Teaching Fellow.
- 2021 Fall: CS506 Computational Tools for Data Science, Teaching Fellow.
- 2020 Fall: CS440 Artificial Intelligence, Teaching Fellow.

PROFESSIONAL ACTIVITIES

- Reviewer of CVPR 2021, 2022, ECCV 2022
- Program Committee Member of AAAI 2023

AWARDS

Second prize scholarship of South China University Of Technology	2016
Merit Student of South China University Of Technology	2016