

YAN WANG

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EDUCATION

Cornell University

August 2017 - Present

Ph.D. student, Computer Science, GPA: 4.0

Advisor: Killian Q. Weinberger

Huazhong University of Science & Technology (HUST)

September 2012 - July 2016

Bachelor of Engineer, Computer Science

Student at ACM Elite Class, Overall GPA: 3.9

Advisor: Kun He

PUBLICATIONS

Conference::

- **Y. Wang***, X. Chen*, Y. You, L. Li, B. Hariharan, M. Campbell, K. Weinberger, W.-L. Chao “Train in Germany, Test in The USA: Making 3D Object Detectors Generalize” IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**) 2020.
- Q. Rui*, D. Garg*, **Y. Wang***, Y. You*, S. Belongie, B. Hariharan, M. Campbell, K. Weinberger, W.-L. Chao “End-to-end Pseudo-LiDAR for Image-Based 3D Object Detection” IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**) 2020.
- Y. You*, **Y. Wang***, W.-L. Chao*, D. Garg, G. Pleiss, B. Hariharan, M. Campbell, K. Weinberger “Pseudo-LiDAR++: Accurate Depth for 3D Object Detection in Autonomous Driving” International Conference on Learning Representations (**ICLR**) 2020.
- **Y. Wang**, W.-L. Chao, D. Garg, B. Hariharan, M. Campbell, K. Weinberger. “Pseudo-LiDAR from Visual Depth Estimation: Bridging the Gap in 3D Object Detection for Autonomous Driving.” IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**) 2019.
- **Y. Wang***, Z. Lai*, G. Huang, B. Wang, L. van der Maaten, M. Campbell, K. Weinberger “Any-time Stereo Image Depth Estimation on Mobile Devices.” International Conference on Robotics and Automation (**ICRA**) 2019.
- B. Wang, W.-L. Chao, **Y. Wang**, B. Hariharan, K. Weinberger, M. Campbell “LDLS: 3D Object Segmentation through Label Diffusion from 2D Images.” IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS**) 2019.
- C. Diaz-Ruiz, **Y. Wang**, W.-L. Chao, K. Weinberger, M. Campbell “Vision-only 3D Tracking for Self-Driving Cars.” IEEE 15th International Conference on Automation Science and Engineering (**CASE**) 2019.
- **Y. Wang***, L. Wang*, Y. You*, X. Zou, V. Chen, S. Li, B. Hariharan, G. Huang, K. Weinberger, “Resource Aware Person Re-identification across Multiple Resolutions.” IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**) 2018.
- K. He*, **Y. Wang***, and J. Hopcroft*, “A Powerful Generative Model Using Random Weights for the Deep Image Representation.” Neural Information Processing Systems (**NeurIPS**) 2016.

Journal:

- B. Wang, W.-L. Chao, **Y. Wang**, B. Hariharan, K. Weinberger, M. Campbell “LDLS: 3D Object Segmentation through Label Diffusion from 2D Images.” IEEE Robotics and Automation Letters. (RA-L) 2019.

Preprint:

- **Y. Wang**, W.-L. Chao, K. Weinberger, L. van der Maaten “SimpleShot: Revisiting Nearest-Neighbor Classification for Few-Shot Learning” arXiv:1911.04623 (2019).
- B. Wang, **Y. Wang**, K. Weinberger, M. Campbell. “Deep Person Re-identification for Probabilistic Data Association in Multiple Pedestrian Tracking.” arXiv:1810.08565 (2018).

* Equal Contribution.

RESEARCH EXPERIENCE

Research Intern, Facebook AI Research (FAIR) <i>Advisor: Laurens van der Maaten and Ishan Misra</i>	June 2019 - August 2019
Research Assistant, Cornell University <i>Advisor: Kilian Q. Weinberger</i>	September 2017 - Present
Intern, Microsoft Research Asia <i>Advisor: Eric Chang and Yan Xu</i>	March 2017 - July 2017
Intern, Cornell University <i>Advisor: John E. Hopcroft</i>	July 2015 - August 2015

TEACHING EXPERIENCE

CS 1112: Introduction to Computing using Matlab <i>Teaching Assistant, Cornell University</i>	February 2018 - June 2018
CS 4810: Introduction to Theory of Computing <i>Teaching Assistant, Cornell University</i>	September 2017 - December 2017

HONORS AND AWARDS

Cornell Graduate Student Travel Grant (CVPR 2018)	2018
NeurIPS Student Travel Grant (NeurIPS 2016)	2016
Best Bachelor Dissertation Award in Hubei Province	2016
National Scholarship of China	2015
National Endeavor Scholarship of China	2013

ACADEMIC SERVICE

Reviewer of NeurIPS-16, AAAI-18, ICRA-19, CVPR-19, ICML-19, TKDE-19, ICCV-19, NeurIPS-2019, CVPR-2020, ECCV-2020, ICML-2020, Signal Processing: Image Communication, AAAI-2020, CVPR-2020, ECCV-2020, ICML-2020