

Tianyu Yang

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<http://skyoung.github.io>

Education

City University of Hong Kong

PhD in Computer Science
Focus on visual tracking

Sep, 2015 – Present

Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences

Master in Electronic & Communications Engineering

Sep, 2010 – Jul, 2013

Liaocheng University

Bachelor in Communications Engineering

Sep, 2006 – Jul, 2010

Publications

- **Tianyu Yang**, Antoni B. Chan, “Learning Dynamic Memory Networks for Object Tracking”, *arXiv Preprint*, 2018
- **Tianyu Yang**, Antoni B. Chan, “Recurrent Filter Learning for Visual Tracking”, *ICCV Workshop on Visual Object Tracking (VOT) Challenge*, 2017
- Lei Yu, **Tianyu Yang**, Antoni B. Chan, “Approximate Inference for Generic Likelihoods via Density-Preserving GMM Simplification”, *NIPS Workshop on Advances in Approximate Bayesian Inference*, 2016
- **Tianyu Yang**, Baopu Li, Max Q.-H. Meng, “Robust Object Tracking with Reacquisition Ability using Online Learned Detector”, *IEEE Transactions on Cybernetics*, 2014
- **Tianyu Yang**, Baopu Li, Chao Hu, Max Q.-H. Meng, “Adaptive Visual Tracking with Reacquisition Ability for Arbitrary Objects”, *IEEE International Conference on Robotics and Automation (ICRA)*, 2013

Patents

- **Tianyu Yang**, Dianchao Liu, Yaojie Lu, Zhongchao Shi, Gang Wang, “Method and apparatus for object tracking”, CN104915964B, China.
- **Tianyu Yang**, Baopu Li, Chao Hu, Max Q.-H. Meng, “An online learned object tracking method”, CN103150572B, China.

Work Experiences

Research Engineer, Ricoh Software Research Center(Beijing) Co., Ltd.

Research & development on Unmanned Aerial Vehicle (UAV) navigation

Oct, 2014 – Aug, 2015

- Designed and implemented visual odometry methods for UAV navigation.

Research & development on Advanced Driver Assistance System (ADAS)

Jul, 2013 – Oct, 2014

- Designed and implemented efficient tracking algorithms for ADAS with stereo cameras.

Skills

- **Programming** Python, C/C++, Matlab
- **Toolbox** Tensorflow, Pytorch

Selected Honors and Scholarships

- University Scholarship in 2006-2010
- National Encouragement Scholarship(two students/one semester) in 2009.
- University-level Outstanding students in 2007.