

Tianyu Yang

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<http://skyoung.github.io>

Education

City University of Hong Kong

PhD in Computer Science

Sep, 2015 – Present

University of 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”, *Workshop on Visual Object Tracking (VOT) Challenge, ICCV 2017*
- Lei Yu, **Tianyu Yang**, Antoni B. Chan, “Approximate Inference for Generic Likelihoods via Density-Preserving GMM Simplification”, *Workshop on Advances in Approximate Bayesian Inference, NIPS 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.

Research Experiences

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

Jul, 2013 – Aug, 2015

- Worked on visual odometry for Unmanned Aerial Vehicle (UAV) navigation
- Implemented real-time tracking algorithms for Advanced Driver Assistance System (ADAS).

Shenzhen Institutes of Advanced Technology, CAS

Sep, 2011 – June, 2013

- Worked on optical measurement systems for navigating the surgical procedures.
- Desvised visual tracking algorithms for intelligent household robots

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.