# Yantao SHEN

**Website** http://www.ee.cuhk.edu.hk/∼ytshen/    **Email** ytshen@link.cuhk.edu.hk

## Personal Profile

Yantao SHEN is currently a Ph.D. candidate in the Department of Electronic Engineering at The Chinese University of Hong Kong, supervised by Prof. Xiaogang WANG and Prof. Hongsheng Li. He also works closely with Dr. Tong Xiao, Dr. Yuanjun Xiong, and Dr. Wei Xia. His research interests are computer vision and deep learning.

## Education

**2015-now** The Chinese University of Hong Kong, HKSAR, China
Ph.D. candidate in Electronic Engineering,
supervisor: Prof. Xiaogang WANG and Prof. Hongsheng Li

**2011-2015** Northeastern University, Shen Yang, China
B.Eng. in Automation

## Experience

**Jun 2019-** Applied Scientist Intern, supervised by Yuanjun Xiong, Wei Xia, and Stefano Soatto
**Dec 2019** Amazon Web Services (AWS), Rekognition, Seattle, WA, United States

## Selected Publication

**Person Re-identification with Deep Kronecker-Product Matching and Group-shuffling Random Walk**

**Y. Shen**, H. Li, T. Xiao, S. Yi, D. Chen, X. Wang, *IEEE Transactions on Pattern Analysis and Machine Intelligence.*, (**TPAMI**), 2019.

**Person Re-identification with Deep Similarity-Guided Graph Neural Network**

**Y. Shen**, H. Li, S. Yi, D. Chen, X. Wang, *15th European Conference on Computer Vision*, (**ECCV**), 2018.

**Deep Group-shuffling Random Walk for Person Re-identification**

**Y. Shen**, H. Li, S. Yi, D. Chen, X. Wang, *Computer Vision and Pattern Recognition*, (**CVPR**), 2018.

**End-to-End Deep Kronecker-Product Matching for Person Re-identification**

**Y. Shen**[*], **T. Xiao**[*], H. Li, S. Yi, X. Wang, *Computer Vision and Pattern Recognition*, (**CVPR**), 2018.
([*] denotes co-first authors)

**Learning Deep Neural Networks for Vehicle Re-ID with Visual-spatio-temporal Path Proposals**

**Y. Shen**, T. Xiao, H. Li, S. Yi, X. Wang. *International Conference on Computer Vision*, (**ICCV**), 2017.

# Awards

**2015-2019**    **Hong Kong PhD Fellowship (HKPFS)**

An annual stipend of HK$240,000 (approximately US$30,000) and a conference and research-related travel allowance of HK$10,000 (approximately US$1,300) provided by Hong Kong SAR Government.

**2012-2014**    **National Scholarship**

Three Times Education Ministry of PRC's National Scholarship.

**2014**    **Outstanding Winner of Mathematical Contest In Modeling(MCM)**

Outstanding Award of The Mathematical Contest in Modeling 2014, collaborated With Bingzhu Xie and Yingyi Ma, supervised by Prof. Dali Chen.