

WEI YANG

EDUCATION

- 2014 - CURRENT **The Chinese University of Hong Kong**, Hong Kong SAR China
Department of Electronic Engineering
Ph.D. (Expected August 2018) in Electronic Engineering, advised by Prof. Xiaogang Wang
- 2011 - 2014 **Sun Yat-sen University**, Guangzhou, China
M.S. in Computer Software and Engineering
- 2007 - 2011 **Sun Yat-sen University**, Guangzhou, China
B.E. in Software Engineering

RESEARCH INTERESTS

Computer Vision and Machine Learning

- Object keypoints detection, human analysis, scene understanding
- Deep learning, graphical model

INTERNSHIPS

- JULY - SEP 2010 **TENCENT**, Inc. Shenzhen, China
Intern - Developed the front-end web interface for a content management system in the department of applied searching

PUBLICATIONS

Conference Papers

- **LEARNING FEATURE PYRAMIDS FOR HUMAN POSE ESTIMATION**
Wei Yang, Shuang Li, Wanli Ouyang, Hongsheng Li and Xiaogang Wang
IEEE International Conference on Computer Vision (ICCV), 2017
- **IDENTITY-AWARE TEXTUAL-VISUAL MATCHING WITH LATENT CO-ATTENTION**
Shuang Li, Tong Xiao, Hongsheng Li, Wei Yang, Xiaogang Wang
IEEE International Conference on Computer Vision (ICCV), 2017
- **MULTI-CONTEXT ATTENTION FOR HUMAN POSE ESTIMATION**
Xiao Chu*, Wei Yang*, Wanli Ouyang, Cheng Ma, Alan Yuille and Xiaogang Wang
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2017 (* indicates equal contribution)
- **END-TO-END LEARNING OF DEFORMABLE MIXTURE OF PARTS AND DEEP CONVOLUTIONAL NEURAL NETWORKS FOR HUMAN POSE ESTIMATION**
Wei Yang, Wanli Ouyang, Hongsheng Li and Xiaogang Wang
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2016 (Oral, Acceptance Rate 83/ 2145 = 3.9%)
- **MULTI-TASK RECURRENT NEURAL NETWORK FOR IMMEDIACY PREDICTION**
Xiao Chu, Wanli Ouyang, Wei Yang and Xiaogang Wang
in Proceedings of IEEE International Conference on Computer Vision (ICCV), 2015 (Oral, Acceptance Rate 56/1698 = 3.3%)
- **CLOTHING CO-PARSING BY JOINT IMAGE SEGMENTATION AND LABELING**
Wei Yang, Ping Luo and Liang Lin
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2014 (Acceptance Rate 540/1807 = 29.88%)
- **DATA-DRIVEN SCENE UNDERSTANDING BY ADAPTIVE EXEMPLAR RETRIEVAL**
Xionghao Liu, Wei Yang, Ya Li, Liang Lin, and Jian-Huang Lai
in Proceedings of IEEE International Conference on Multimedia and Expo (ICME), 2014 (Acceptance Rate 212/716 = 29.61%)

- **LEARNING CONTOUR-FRAGMENT-BASED SHAPE MODEL WITH AND-OR TREE REPRESENTATION**
Liang Lin, Xiaolong Wang, **Wei Yang**, and Jian-Huang Lai
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2012 (Acceptance Rate 466/1933 = 24.1%)
- **INTERACTIVE CT IMAGE SEGMENTATION WITH ONLINE DISCRIMINATIVE LEARNING**
Wei Yang, Xiaolong Wang, Liang Lin, Chengying Gao
in Proceedings of IEEE International Conference on Image Processing (ICIP), 2011 (Acceptance Rate NA/2245 = 40.6%)

Journal Papers

- **CLOTHES CO-PARSING VIA JOINT IMAGE SEGMENTATION AND LABELING WITH APPLICATION TO CLOTHING RETRIEVAL**
Xiaodan Liang, Liang Lin, **Wei Yang**, Ping Luo, Junshi Huang, and Shuicheng Yan
IEEE Transactions on Multimedia (T-MM), 2016
- **INFERENCE WITH COLLABORATIVE MODEL FOR INTERACTIVE TUMOR SEGMENTATION IN MEDICAL IMAGE SEQUENCES**
Liang Lin, **Wei Yang**, Chenglong Li, Jin Tang, Xiaochun Cao
IEEE Transactions on Cybernetics (T-Cybernetics), 2015
- **DATA-DRIVEN SCENE UNDERSTANDING WITH ADAPTIVELY RETRIEVED EXEMPLARS**
Xionghao Liu, **Wei Yang**, Liang Lin, Qing Wang, Zhaoquan Cai, Jian-Huang Lai
IEEE Multimedia (MM), 2015
- **DISCRIMINATIVELY TRAINED AND-OR GRAPH MODELS FOR OBJECT SHAPE DETECTION**
Liang Lin, Xiaolong Wang, **Wei Yang**, and JianHuang Lai
IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI), 2015

Technical Reports

- **PROGRESSIVELY DIFFUSED NETWORKS FOR SEMANTIC IMAGE SEGMENTATION**
Ruimao Zhang*, **Wei Yang***, Zhanglin Peng, Xiaogang Wang, Liang Lin
arXiv preprint, arXiv: 1702.05839, 2017 (* indicates equal contribution.)

PROFESSIONAL ACTIVITIES

Reviewer

- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2017
- International Joint Conference on Artificial Intelligence (IJCAI), 2017
- IEEE Transaction on Cybernetics (TCYB), 2017
- Elsevier Journal of Neurocomputing (NEUCOM), 2016
- Elsevier Journal of Pattern Recognition (PR), 2016

TEACHING

2017, SPRING	Tutor, Introduction to Deep Learning (ELEG 5491), CUHK
2016, FALL	Tutor, Complex Analysis and Differential Equations (ENGG 2420A), CUHK
2016, SPRING	Tutor, Probability and Statistics for Engineers (ENGG 2430D), CUHK
2015, FALL	Tutor, Complex Analysis and Differential Equations for Engineers (ENGG 2420A), CUHK
2015, SUMMER	Tutor, Solidworks 3D Modeling, CUHK
2014, FALL	Tutor, Digital Circuits and Systems (ELEG2201), CUHK

SELECTED AWARDS

2012	National Scholarship, Ministry of Education, China
2011	Amway University IT Project Competition, <i>Silver Medal</i>
2010	The Third Prize Scholarship, Sun Yat-sen University
2009	Computer Programming Competition, <i>Third prize</i> , Sun Yat-sen University
2008 - 2009	The Second Prize Scholarship (twice), Sun Yat-sen University

OPEN SOURCE

Codes and datasets along with my papers are mostly open sourced and hosted on my GitHub:
<https://github.com/bearpaw>