

# Luyu Yang

RESEARCH INTEREST	My research currently lies at the intersection of computer vision and machine learning. I develop learning algorithms which facilitate the transfer of information through unsupervised and semi-supervised model adaptation, through which my work enables systems to tackle real-world variations and minimizes human supervision. Before this, I have also worked on activity recognition in videos.	
EDUCATION	<b>University of Maryland,</b> PhD, Computer Science <i>Advised by Abhinav Shrivastava and Larry Davis</i> Aug 2018 – Sep 2022  <b>Chongqing University of Posts and Telecommunications,</b> B.S. and M.S., Electrical and Telecommunication Engineering <i>Graduated with Honors</i> Sep 2008 – Jul 2015	
APPOINTMENTS	<b>Salesforce Research</b> <i>Research Intern</i> Jun 2021 – Aug 2021  <b>Facebook AI</b> <i>Research Intern</i> Oct 2019 – May 2020  <b>Cornell University</b> <i>Research Assistant of Kilian Q. Weinberger</i> Feb 2018 – Jun 2018	
PUBLICATIONS AND PRE-PRINTS	[1] <b>Luyu Yang</b> , Mingfei Gao, Zeyuan Chen, Ran Xu, Abhinav Shrivastava, Chetan Ramaiah, “Burn After Reading: Online Adaptation for Cross-domain Streaming Data,” <i>ECCV</i> , 2022 [2] Shuaiyi Huang, <b>Luyu Yang</b> , Bo He, Songyang Zhang, Xuming He, Abhinav Shrivastava, “Learning Semantic Correspondence with Sparse Annotations,” <i>ECCV</i> , 2022 [3] Yu Shen, <b>Luyu Yang</b> , Xijun Wang, Abhinav Shrivastava, Ming Lin, “Lessons from Multi-modality Teachers for Autonomous Driving,” <i>Under review</i> , August 2022 [4] <b>Luyu Yang</b> , Yan Wang, Mingfei Gao, Abhinav Shrivastava, Kilian Q. Weinberger, Wei-lun Chao, Ser-Nam Lim, “Deep Co-training with Task Decomposition for Semi-supervised Domain Adaptation,” <i>ICCV</i> , 2021 [5] <b>Luyu Yang</b> , Yogesh Balaji, Ser-Nam Lim, Abhinav Shrivastava, “Curriculum Manager for Source Selection in Multi-source Domain Adaptation,” <i>ECCV</i> , 2020 [6] Lan Wang, Chenqiang Gao, <b>Luyu Yang</b> , Yue Zhao, Wangmeng Zuo, Deyu Meng, “PM-GANs: Discriminative Representation Learning for Action Recognition Using Partial-modalities,” <i>ECCV</i> , 2018 [7] <b>Luyu Yang</b> , Jack Z.G. Tan, Zhe Huang, Gene Cheung, “A Content-aware Metric for Stitched Panoramic Image Quality Assessment,” <i>ICCV workshop on MVR3D</i> , 2017 [8] <b>Luyu Yang</b> , Jiang Liu, Chenqiang Gao, “An Error-activation-guided Blind Metric for Stitched Panoramic Image Quality Assessment,” <i>CCF Chinese Conference on Computer Vision</i> , 2017 [9] Chenqiang Gao, <b>Luyu Yang</b> , Yinhe Du, Zeming Feng, Jiang Liu, “From constrained to unconstrained datasets: an evaluation of local action descriptors and fusion strategies for interaction recognition,” <i>World Wide Web</i> , 2016 [10] <b>Luyu Yang</b> , Chenqiang Gao, Deyu Meng, Lu Jiang, “A Novel Group-Sparsity-Optimization-Based Feature Selection Model for Complex Interaction Recognition,” <i>ACCV</i> , 2014 [11] Chenqiang Gao, Yinhe Du, Jiang Liu, <b>Luyu Yang</b> , Deyu Meng, “A New Dataset and Evaluation for Infrared Action Recognition,” <i>CCF Chinese Conference on Computer Vision</i> , 2015 ( <i>Best paper nominee</i> )	
AWARDS AND HONORS	<b>Nominee of 2022 Google PhD Fellowship</b> , only 1 in UMD CS 2022 <b>Dean’s Fellowship</b> , University of Maryland, Computer Science 2018 – 2019 <b>All-star Employee Award</b> , Tencent Technology, 5% employee 2016 – 2017 <b>The Principal’s Honor Award</b> , CQUPT 2012	
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