

Yapeng TIAN

CONTACT INFORMATION	The Department of Computer Science, University of Rochester, Rochester, NY, USA, 14623.	☎ 5857669378 ✉ yapengtian@rochester.edu http://yapengtian.org/
RESEARCH INTERESTS	<ul style="list-style-type: none">• Audio-Visual Scene Understanding• Low-Level Vision: Single image super-resolution, Edge-preserving image smoothing, Guided depth map upscaling.	
EDUCATION	University of Rochester , Rochester, USA • <i>PhD student</i> in The Department of Computer Science • Advisor: <i>Prof. Chenliang Xu</i> Sep. 2017 – Exp. 2022	
	Tsinghua University , Beijing, China • <i>M.E.</i> in The Department of Electronic Engineering • Advisor: <i>Prof. Wenming Yang</i> • GPA: 90.55/100 (Rank: 3/52) Sep. 2014 – July 2017	
	Xidian University , Xi'an, China • <i>B.E.</i> in Intelligence Science and Technology (School of Electronic Engineering) Aug. 2009 – July 2013	
RESEARCH EXPERIENCE	CS, University of Rochester • <i>Research Assistant</i> with <i>Prof. Chenliang Xu</i> Project: Audio-visual scene understanding Sep. 2017 – Present	
	EE, Tsinghua University • <i>Research Assistant</i> with <i>Prof. Wenming Yang</i> Project: Single image super-resolution Mar. 2015 – Aug. 2017	
	SIAT, Chinese Academy of Sciences • <i>Visiting Student</i> with <i>Prof. Yu Qiao</i> Project: Deep learning for low-level vision Nov. 2016 – May 2017	
JOURNAL PUBLICATIONS	<ul style="list-style-type: none">• Wenming Yang, Yapeng Tian, Fei Zhou*, Qingmin Liao, Hai Chen and Chenglin Zheng, "Consistent Coding Scheme for Single-Image Super-Resolution Via Independent Dictionaries," IEEE Trans. Multimedia (TMM), vol. 18, no. 3, pp. 313-325, Mar. 2016.	
CONFERENCE PUBLICATIONS	<ul style="list-style-type: none">• Yulun Zhang, Yapeng Tian, Yu Kong, Bineng Zhong, Yun Fu, "Residual Dense Network for Image Super-Resolution," Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018. (Spotlight)• Radu Timofte, Eirikur Agustsson, Luc Van Gool, ..., Yapeng Tian, ..., "Anchored Neighborhood Regression based Single Image Super-Resolution from Self-Examples," Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2017.	

	<ul style="list-style-type: none"> • Yapeng Tian, Fei Zhou, Wenming Yang*, Xuesen Shang and Qingmin Liao, “Anchored Neighborhood Regression based Single Image Super-Resolution from Self-Examples,” Proceedings of IEEE International Conference on Image Processing (ICIP), 2016. • Wenming Yang, Yapeng Tian, Fei Zhou, Tingrong Yuan, Xuesen Shang and Qingmin Liao, “Single-Image Super-Resolution Using Clustering-Based Global Regression and Propagation Filtering,” Proceedings of Asian Conference on Pattern Recognition (ACPR), 2015. (Oral)
MANUSCRIPTS	<ul style="list-style-type: none"> • Yapeng Tian, Jing Shi, Bochen Li, Zhiyao Duan, and Chenliang Xu, “Audio-Visual Event Localization in Unconstrained Videos”, Submitted to ECCV 2018.
TEACHING EXPERIENCE	Teaching Assistant <ul style="list-style-type: none"> • Spring CSC249/449: Machine Vision, University of Rochester • Fall 2015: Digital image processing and its applications, Tsinghua University • Spring 2016: Practice of digital image processing, Tsinghua University
HONORS AND AWARDS	<ul style="list-style-type: none"> • Outstanding Graduate of Tsinghua University (Top 1%) 2017 • Outstanding Master Thesis Award, Tsinghua University 2017 • National Scholarship (Top 2%), Tsinghua University, China 2016 • Second-class Scholarship, Tsinghua University, China 2015
PROFESSIONAL ACTIVITIES	Attended Conferences <ul style="list-style-type: none"> • IEEE International Conference on Image Processing, Phoenix, America Sep. 2016 • Asian Conference on Pattern Recognition, Kuala Lumpur, Malaysia Nov. 2015 Membership <ul style="list-style-type: none"> • IEEE Student Member
SKILLS	<ul style="list-style-type: none"> • Languages: Mandarin (native), English. • Programming: MATLAB, C/C++, Python, Tensorflow, Pytorch, Keras, Opencv, L^AT_EX.