

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">• Vision and Sound: audio-visual video understanding• Low-Level Vision: image/video super-resolution	
EDUCATION	University of Rochester , Rochester, USA	Sep. 2017 – Exp. 2022
	<ul style="list-style-type: none">• <i>PhD student</i> in The Department of Computer Science• Advisor: <i>Prof. Chenliang Xu</i>	
	Tsinghua University , Beijing, China	Sep. 2014 – July 2017
	<ul style="list-style-type: none">• <i>M.E.</i> in The Department of Electronic Engineering• Advisor: <i>Prof. Wenming Yang</i>• GPA: 90.55/100 (Rank: 3/52)	
	Xidian University , Xi'an, China	Aug. 2009 – July 2013
	<ul style="list-style-type: none">• <i>B.E.</i> in Intelligence Science and Technology (School of Electronic Engineering)	
RESEARCH EXPERIENCE	CS, University of Rochester	Aug. 2018 – Present
	<ul style="list-style-type: none">• <i>Research Assistant</i> with <i>Prof. Chenliang Xu</i>	
	Project: Interpretable audio-visual video captioning	
	CS, University of Rochester	Sep. 2018 – Present
	<ul style="list-style-type: none">• <i>Research Assistant</i> with <i>Prof. Chenliang Xu</i>	
	Project: Temporal alignment for video restoration	
	CS, University of Rochester	Sep. 2017 – Present
	<ul style="list-style-type: none">• <i>Research Assistant</i> with <i>Prof. Chenliang Xu</i>	
	Project: Audio-visual event localization in unconstrained videos (ECCV 2018)	
	EE, Tsinghua University	Mar. 2015 – Aug. 2017
	<ul style="list-style-type: none">• <i>Research Assistant</i> with <i>Prof. Wenming Yang</i>	
	Project: Single image super-resolution	
	SIAT, Chinese Academy of Sciences	Nov. 2016 – May 2017
	<ul style="list-style-type: none">• <i>Visiting Student</i> with <i>Prof. Yu Qiao</i>	
	Project: Deep learning for low-level vision	
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. (as first student author and Dr. Wenming Yang is my master advisor)	

CONFERENCE PUBLICATIONS	<ul style="list-style-type: none"> • Yapeng Tian, Jing Shi, Bochen Li, Zhiyao Duan, and Chenliang Xu, “Audio-Visual Event Localization in Unconstrained Videos”, ECCV, 2018. • Yulun Zhang, Yapeng Tian, Yu Kong, Bineng Zhong, Yun Fu, “Residual Dense Network for Image Super-Resolution,” CVPR, 2018. (Spotlight) • Radu Timofte, Eirikur Agustsson, Luc Van Gool, ..., Yapeng Tian, ..., “NTIRE 2017 Challenge on Single Image Super-Resolution: Methods and Results,” Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2017. • Yapeng Tian, Fei Zhou, Wenming Yang*, Xuesen Shang and Qingmin Liao, “Anchored Neighborhood Regression based Single Image Super-Resolution from Self-Examples,” 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,” ACPR, 2015. (Oral)
MANUSCRIPTS	<ul style="list-style-type: none"> • Yapeng Tian, Yulun Zhang, Yun Fu, and Chenliang Xu, “TDAN: Temporally Deformable Alignment Network for Video Super-Resolution”, Submitted to CVPR 2019. • Yapeng Tian, Chenxiao Guan, Goodman Justin, Marc Moore, and Chenliang Xu, “An Attempt towards Interpretable Audio-Visual Video Captioning”, Submitted to CVPR 2019.
TEACHING EXPERIENCE	<p>Teaching Assistant</p> <ul style="list-style-type: none"> • Fall 2018 CSC577: Advanced Topics in Computer Vision, University of Rochester • Spring 2018 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	<p>Attended Conferences</p> <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 <p>Membership</p> <ul style="list-style-type: none"> • IEEE Student Member
SKILLS	<ul style="list-style-type: none"> • Languages: Mandarin (native), English. • Programming: Python, Pytorch, Keras, MATLAB, C/C++, Opencv, L^AT_EX.