Yapeng TIAN

CONTACT
INFORMATION

The Department of Computer Science,
University of Rochester,
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RESEARCH
INTERESTS

- Vision and Sound: audio-visual video understanding
- Low-Level Vision: image/video super-resolution

EDUCATION

University of Rochester, Rochester, USA Sep. 2017 – Exp. 2022
- *PhD student* in The Department of Computer Science
- Advisor: *Prof.* Chenliang Xu

Tsinghua University, Beijing, China Sep. 2014 – July 2017
- *M.E.* in The Department of Electronic Engineering
- Advisor: *Prof.* Wenming Yang
- GPA: 90.55/100 (Rank: 3/52)

Xidian University, Xi'an, China Aug. 2009 – July 2013
- *B.E.* in Intelligence Science and Technology (School of Electronic Engineering)

RESEARCH
EXPERIENCE

CS, University of Rochester Aug. 2018 – Present
- *Research Assistant* with *Prof.* Chenliang Xu

Project: Interpretable audio-visual video captioning

CS, University of Rochester Sep. 2018 – Present
- *Research Assistant* with *Prof.* Chenliang Xu

Project: Temporal alignment for video restoration

CS, University of Rochester Sep. 2017 – Present
- *Research Assistant* with *Prof.* Chenliang Xu

Project: Audio-visual event localization in unconstrained videos (ECCV 2018)

EE, Tsinghua University Mar. 2015 – Aug. 2017
- *Research Assistant* with *Prof.* Wenming Yang

Project: Single image super-resolution

SIAT, Chinese Academy of Sciences Nov. 2016 – May 2017
- *Visiting Student* with *Prof.* Yu Qiao

Project: Deep learning for low-level vision

JOURNAL
PUBLICATIONS

- 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	• **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	• **Yapeng Tian**, Yulun Zhang, Yun Fu, and Chenliang Xu, "TDAN: Temporally Deformable Alignment Network for Video Super-Resolution", In Submission.
	• **Yapeng Tian**, Chenxiao Guan, Goodman Justin, Marc Moore, and Chenliang Xu, "An Attempt towards Interpretable Audio-Visual Video Captioning", In Submission.

TEACHING EXPERIENCE

Teaching Assistant
- 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

• 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
• IEEE International Conference on Image Processing, Phoenix, America	Sep. 2016
• Asian Conference on Pattern Recognition, Kuala Lumpur, Malaysia	Nov. 2015

Membership
- IEEE Student Member

SKILLS

- Languages: Mandarin (native), English.
- Programming: Python, Pytorch, Keras, MATLAB, C/C++, Opencv, LaTeX.