

Yapeng TIAN

CONTACT INFORMATION

The Department of Computer Science,
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RESEARCH INTERESTS

- Multi-Modal Learning: Audio-visual scene understanding
- Low-Level Vision: Single image 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 Sep. 2017 – Present

- *Research Assistant* with *Prof. Chenliang Xu*

Project: Audio-visual scene understanding

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.

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," Proceedings of Asian Conference on Pattern Recognition (ACPR), 2015. **(Oral)**

TEACHING EXPERIENCE

Teaching Assistant

- 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: MATLAB, C/C++, Python, Tensorflow, Pytorch, Keras, Opencv, L^AT_EX.