

CONTACT INFORMATION	427 Richard Hall, 360 Huntington Ave., Northeastern University, Boston, MA, U.S. Homepage: http://yulunzhang.com	yulun100@gmail.com Tel: +1-(617)849-0935 Google Scholar
RESEARCH INTERESTS	Machine Learning: deep learning. Computer Vision: image restoration, style transfer	
EDUCATION	<p>Northeastern University, Boston, USA Sep 2017 – Now</p> <p>Ph.D., Department of ECE, College of Engineering</p> <ul style="list-style-type: none"> • Major in Computer Engineering • Advisor: <i>Prof. Yun Raymond Fu</i> • Overall GPA: 3.92/4.0 <p>Tsinghua University, Beijing, China Sep 2014 – Jul 2017</p> <p>M.E., Department of Automation</p> <ul style="list-style-type: none"> • Major in Control Engineering • Advisor: <i>Prof. Yongbing Zhang</i> • Overall GPA: 3.73/4.0, Major GPA: 3.75/4.0 <p>The University of Sydney, Sydney, Australia Jan 2016 – Jul 2016</p> <p>Visiting Student, School of Electrical and Information Engineering</p> <ul style="list-style-type: none"> • Advisor: <i>Prof. Dong Xu</i> and Dr. <i>Wen Li</i> • Research on metric learning with privileged information for visual recognition. <p>Xidian University, Xi'an, China Sep 2009 – Jul 2013</p> <p>B.S., School of Electronic Engineering</p> <ul style="list-style-type: none"> • Major in Intelligence Science and Technology • Overall GPA: 3.36/4.0, Major GPA: 3.63/4.0 	
RESEARCH EXPERIENCE	<p>SMILE lab, Northeastern University, Boston, USA Sep 2017 – Now</p> <p>Research Assistant Supervisor: <i>Prof. Yun Raymond Fu</i></p> <p>Projects: Deep learning for image restoration and generation.</p> <p>Adobe Research, San Jose, USA Jun 2019 – Aug 2019</p> <p>Research Intern Mentors: <i>Zhifei Zhang, Stephen DiVerdi, Zhaowen Wang, Jose Echevarria</i></p> <p>Projects: Painting super-resolution.</p> <p>Adobe Research, San Jose, USA May 2018 – Aug 2018</p> <p>Research Intern Mentors: <i>Chen Fang, Zhaowen Wang, Yilin Wang, Jimei Yang, Zhe Lin</i></p> <p>Projects: Style transfer.</p> <p>Tsinghua University, China Mar 2014 – Jul 2017</p> <p>Research Assistant Supervisor: <i>Prof. Yongbing Zhang</i></p> <p>Projects: Image super-resolution and compression artifact removal via sparse/collaborative representation and deep learning.</p> <p>SIAT, Chinese Academy of Sciences, China Oct 2016 – Jun 2017</p> <p>Research Assistant Supervisor: <i>Prof. Yu Qiao</i></p> <p>Projects: Generative adversarial networks (GAN) for image restoration/generation.</p> <p>Nanyang Technological University, Singapore Nov 2015 – Jan 2016</p> <p>Project Officer Supervisor: <i>Dr. Li Niu</i> and <i>Prof. Dong Xu</i></p> <p>Projects: Exploiting privileged information from web data for visual recognition.</p> <p>Xidian University, China Jun – Aug 2012, Dec 2012 – Jun 2013</p> <p>Position: Research Assistant Supervisor: <i>Prof. Shuyuan Yang</i></p> <p>Projects: 1. Learning efficient features for action recognition in video domain. 2. Depth extraction from natural images using optical flow.</p>	

1. Xiaole Zhao, **Yulun Zhang**, Tao Zhang, and Xueming Zou, “Channel Splitting Network for Single MR Image Super-Resolution”, *IEEE Transactions on Image Processing (TIP)*, 2019
2. Bineng Zhong, Bing Bai, Jun Li, **Yulun Zhang**, and Yun Fu, “Hierarchical Tracking by Reinforcement Learning based Searching and Coarse-to-fine Verifying”, *IEEE Trans. on Image Processing (TIP)*, 2019.
3. Qinqin Zhou, Bineng Zhong, **Yulun Zhang**, Jun Li, and Yun Fu, “Deep Alignment Network Based Multi-person Tracking with Occlusion and Motion Reasoning”, *IEEE Trans. Multimedia (TMM)*, 2018.
4. Yongbing Zhang, **Yulun Zhang***, Jian Zhang, Dong Xu, Yun Fu, Xiangyang Ji, and Qionghai Dai, “Collaborative Representation Cascade for Single Image Super-Resolution”, *IEEE Trans. Syst., Man, Cybern., Syst. (TSMC)*, 2017.
5. Yongbing Zhang, **Yulun Zhang***, Jian Zhang, and Qionghai Dai, “CCR: Clustering and Collaborative Representation for Fast Single Image Super-Resolution”, *IEEE Trans. Multimedia (TMM)*, vol. 18, no. 3, pp. 405–417, Mar. 2016.

1. **Yulun Zhang**, Chen Fang, Yilin Wang, Zhaowen Wang, Zhe Lin, Yun Fu, and Jimei Yang, “Multimodal Style Transfer via Graph Cuts”, *IEEE International Conference on Computer Vision (ICCV)*, 2019. (Poster, 25%)
2. Kunpeng Li, **Yulun Zhang**, Kai Li, Yuanyuan Li, and Yun Fu, “Visual Semantic Reasoning for Image-Text Matching”, *IEEE International Conference on Computer Vision (ICCV)*, 2019. (Oral, 4.3%)
3. Kunpeng Li, **Yulun Zhang**, Kai Li, Yuanyuan Li, and Yun Fu, “Attention Bridging Network for Knowledge Transfer”, *IEEE International Conference on Computer Vision (ICCV)*, 2019. (Poster, 25%)
4. Qinqin Zhou, Bineng Zhong, Xiangyuan Lan, Gan Sun, **Yulun Zhang**, Mengran Gou, “LRDNN: Local-reining based Deep Neural Network for Person Re-Identification with Attribute Discerning”, *International Joint Conference on Artificial Intelligence (IJCAI)*, 2019
5. **Yulun Zhang**, Kunpeng Li, Kai Li, Bineng Zhong, and Yun Fu, “Residual Non-local Attention Networks for Image Restoration”, *International Conference on Learning Representations (ICLR)*, 2019. (Poster, 31%)
6. **Yulun Zhang**, Kunpeng Li, Kai Li, Lichen Wang, Bineng Zhong, and Yun Fu, “Image Super-Resolution Using Very Deep Residual Channel Attention Networks”, *European Conference on Computer Vision (ECCV)*, 2018. (Poster, 29.4%)
7. **Yulun Zhang**, Yapeng Tian, Yu Kong, Bineng Zhong, and Yun Fu, “Residual Dense Network for Image Super-Resolution”, *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018. (Spotlight, 6.6%)
8. Kai Li, Zhengming Ding, Kunpeng Li, **Yulun Zhang**, and Yun Fu, “Support Neighbor Loss for Person Re-Identification”, *ACM International Conference on Multimedia (ACM MM)*, 2018. (Poster, 27 %)
9. **Yulun Zhang**, Yongbing Zhang, Jian Zhang, Haoqian Wang, and Qionghai Dai, “Adaptive Local Nonparametric Regression for Fast Single Image Super-Resolution”, *IEEE International Conference on Visual Communications and Image Processing (VCIP)*, 2015. (**Best Student Paper Award**, 1 out of over **313** submissions.)

10. Radu Timofte, ..., **Yulun Zhang**, ..., et al., “NTIRE 2017 Challenge on Single Image Super-Resolution: Methods and Results”, *IEEE CVPR New Trends in Image Restoration and Enhancement workshop and challenge on image super-resolution (CVPR NTIRE)*, 2017. (Our team ranked 2nd place.)

HONORS AND AWARDS	• ICLR Travel Award,	2019
	• PhD Network Travel Grant, Northeastern University, USA,	2018
	• Dean’s Fellowship in Northeastern University, USA,	2017
	• Shenzhen Universiade International Scholarship, China,	2017
	• Excellent Graduate of Beijing, China,	2017
	• Excellent Graduate of Department of Automation, Tsinghua University,	2017
	• Excellent Master Thesis of Tsinghua University,	2017
	• National Scholarship (Ministry of Education, China, Top 2%),	2016
	• Best Student Paper Award at IEEE VCIP ,	2015
	• Jingzhi Research Award in Tsinghua University (Top 5%),	2015
	• Second Prize Scholarship of Xidian University,	2011, 2012
	• Advanced Individual of Social Work,	2011
	• Third Prize Scholarship of Xidian University,	2010
	• Advanced Individual of Civilized Dormitory Contribution,	2010
	• Excellent Student in Xidian University (Top 5%),	2009
PROFESSIONAL ACTIVITIES	Reviewer	
	• Conferences: CVPR’2019, ICCV’2019, AAAI’2019/2020 • Journals: TPAMI, TIP, TCSVT, TMM, TNNLS, TMI, TCI, CVIU	
TEACHING	• Teaching Assistant, Computer Vision, Northeastern University	Fall 2018
	• Teaching Assistant, Modern Signal Processing, Tsinghua University	Fall 2015
SKILLS	• Programming: Matlab, Python, Lua, C/C++, L ^A T _E X, Visual Studio, OpenCV, Linux.	
	• Deep learning tools: PyTorch, TensorFlow, Caffe, Torch, Keras, MatConvNet.	