

Dongdong CHEN

Curriculum Vitae

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Education

- 09/2014– present **PhD candidate of Electronic Engineering and Information Science**, *University of Science and Technology of China*, Hefei, China.
- 09/2010– 06/2014 **Bachelor of Electronic Engineering and Information Science**, *University of Science and Technology of China*, Hefei, China, *GPA – 3.98/4.3*.

Experience

- 04/2018– **Research Intern**, *Microsoft Research*, Redmond, United States.
Now Member of the Computer Vision group, supervised by Gang Hua. Research in text detection and recognition, low-level vision.
- 11/2015– **Research Intern**, *Microsoft Research Asia*, Beijing, China.
03/2018 Member of the Visual Computing group, supervised by Jian Sun, Gang Hua, Lu Yuan. Research in text and logo detection, neural style transfer, color transfer, and general image generation tasks.
- 07/2015– **Product Manager Intern**, *Alibaba Group*, Beijing, China.
10/2015 Member of the Yushanfeng Group. Design a business intelligence platform to help to increase the return of e-commerce customers.
- 06/2014– **Research Intern**, *Microsoft Research Asia*, Beijing, China.
08/2014 Member of the Visual Computing Group, supervised by Yi Ma. Research in 3D Streetview maps building, moving points removal.

Publications

- ★ Qingnan Fan*, **Dongdong Chen***, Lu Yuan, Gang Hua, Nenghai Yu, Baoquan Chen, Decouple Learning for Parameterized Image Operators, *European Conference on Computer Vision (ECCV 2018)*., (*joint first author)
- ★ Mingming He*, **Dongdong Chen***, Jing Liao, Pedro V. Sander, Lu Yuan, Deep Exemplar-based Colorization, *ACM Transactions on Graphics (Siggraph 2018)*., (*joint first author) **Presented in TechFest 2018**
- ★ **Dongdong Chen**, Lu Yuan, Jing Liao, Nenghai Yu, Gang Hua, Stereoscopic Neural Style Transfer, *Computer Vision and Pattern Recognition Conference (CVPR 2018)*. **Demo in TechFest 2018**
- ★ **Dongdong Chen**, Jing Liao, Lu Yuan, Nenghai Yu, Gang Hua, Coherent Online Video Style Transfer, *International Conference on Computer Vision (ICCV 2017)*.

- ★ **Dongdong Chen**, Lu Yuan, Jing Liao, Nenghai Yu, Gang Hua, StyleBank: An Explicit Representation for Neural Image Style Transfer, *Computer Vision and Pattern Recognition Conference (CVPR 2017)*. **Transferred to Micro Pix**
- ★ Jizhou Yan, **Dongdong Chen**, Heesoo Myeong, Takaaki Shiratori, Yi Ma, Automatic Extraction of Moving Objects from Image and LIDAR Sequences, *International Conference on 3D Vision 2014 (3DV 2014)*. **Filed as Microsoft patent, and used in Streetside 3D maps project**

Patents

- ★ Neutral Style Transfer by Decoupling Content and Style (401145-CN-NP)
- ★ Neural Style Transfer on Stereoscopic Images and Videos (403575-CN-NP)
- ★ Deep Exemplar-based Colorization (404202-CN-NP)

Skills

Programming Language: C++, Python, Matlab, Lua

Deep Learning Framework: Caffe, Torch, Pytorch

Services

- ★ Reviewer for ACCV2018
- ★ Reviewer for CVPR2018
- ★ Reviewer for International Journal of Computer Vision(IJCV)
- ★ Reviewer for IEEE Transactions on Image Processing(TIP)
- ★ Reviewer for IEEE Transactions on MultiMedia(TMM)
- ★ Reviewer for IEEE Transactions on Circuits and Systems for Video Technology(TCSVT)
- ★ Reviewer for Machine Vision and Applications(MVAP)
- ★ Reviewer for Journal of Selected Topics in Signal Processing(JSTSP)
- ★ Reviewer for Public Library of Science (PLOS ONE)

Awards & Honors

- 2018 (3/2950 Teams) FashionAI Global Challenge—Attributes Recognition of Apparel
- 2018 (7/2322 Teams) FashionAI Global Challenge—Key Points Detection of Apparel
- 2018 Excellence Award of Stars of Tomorrow Internship Program, Microsoft Research Asia
- 2016 Best Demo Prize (4/7661 Teams)of Di-Tech Algorithm Contest of Big Data
- 2016 Top 5 in Tianyi Algorithm Contest of Big Data
- 2015 Grand Prize (1/1438 teams) in CCF National Youth Innovation Contest of Big Data 2015
- 2013 National Scholarship (2/133), University of Science and Technology of China
- 2012 National Scholarship (2/133), University of Science and Technology of China