

YONGCHENG JING

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EDUCATION

Zhejiang University (ZJU) Sept. 2016 – Mar. 2019
M.S. in Computer Science and Technology
Exempt from the Graduate Entrance Exam
GPA: 3.91/4.0
Advisors: **Prof. Mingli Song** & **Prof. Yizhou Yu**
Collaborators: **Prof. Dacheng Tao**, **Prof. Xinchao Wang** & **Prof. Yezhou Yang**

South China University of Technology (SCUT) Sept. 2013 - July 2016
B.Eng. in Computer Science and Technology
the Elite Program of Computer Science, Graduated with the Early Graduate Honor
GPA: 3.85/4.0

MANUSCRIPTS & PUBLICATIONS

Manuscripts

- [1] **Y. Jing**, et al. Neural Style Transfer: A Review. *arXiv preprint arXiv:1705.04058v7*. Under Review at *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 2018 (**Minor Revision**)
- [2] J. Ye, **Y. Jing**, et al. Edge-Sensitive Human Cutout With Hierarchical Granularity and Loopy Matting Guidance. Under Review at *IEEE Transactions on Image Processing (TIP)*, 2018 (**Major Revision**)
- [3] Z. Feng, Z. Yu, **Y. Jing**, et al. Interpretable Partitioned Embedding for Intelligent Multi-item Fashion Outfit Composition. *ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)*, 2018
- [4] P. P. K. Chan, Z. He, J. Xue, X. Hu, **Y. Jing**, and D. S. Yeung. Motion Blur Attack against Fingerprint Liveness Detection and its Countermeasure. Under Review at *IEEE Transactions on Information Forensics and Security (TIFS)*, 2018

Proceedings

- [5] **Y. Jing**, et al. Stroke Controllable Fast Style Transfer with Adaptive Receptive Fields. In *European Conference on Computer Vision (ECCV)*, 2018
- [6] W. Pan*, **Y. Jing***, et al. Turing Attackers into Guards: Adaptive Image Steganography via Adversarial Examples. Under Review at *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*, 2019 (* indicates equal contribution)
- [7] J. Ye, Z. Feng, **Y. Jing**, and M. Song. Finer-Net: Cascaded Human Parsing with Hierarchical Granularity. In *Proceedings of the IEEE International Conference on Multimedia and Expo (ICME)*, 2018 (**Oral**)
- [8] Z. Feng, Z. Yu, Y. Yang, **Y. Jing**, et al. Interpretable Partitioned Embedding for Customized Multi-item Fashion Outfit Composition. In *Proceedings of the ACM International Conference on Multimedia Retrieval (ICMR)*, 2018 (**Oral**)
- [9] Z. Feng, **Y. Jing**, et al. Graph-based Color Gamut Mapping using Neighbor Metric. In *Proceedings of the IEEE International Conference on Multimedia and Expo (ICME)*, 2017 (**Oral**)
- [10] J. Song, Y. Shen, **Y. Jing**, et al. Towards Deeper Insights into Deep Learning from Imbalanced Data. In *CCF Chinese Conference on Computer Vision (CCCV)*, 2018

EXPERIENCE

Baidu Research Apr. 2019 - Present
Research Intern, advised by **Dr. Xiao Liu** Beijing, China

- Worked on neural style transfer and knowledge distillation.

Alibaba GroupAlgorithm Engineer Intern, advised by **An-Xiang Zeng**

Oct. 2017 - Feb. 2018

Hangzhou, China

- Applied the researches in my laboratory to practice.
 - 1) Implemented several algorithms [5, 7, 8] proposed in our laboratory under the framework of Alibaba Group and brought the related projects online.
 - 2) Developed a *Deep Aesthetic Assessment* algorithm for ranking product images on Taobao.com.

Microsoft-ZJU Visual Perception LaboratoryResearch Assistant, advised by **Prof. Mingli Song & Prof. Yizhou Yu**

July 2016 - Mar. 2019

Hangzhou, China

- Worked on the project on intelligent design with deep generative models.
 - 1) Proposed a stroke controllable *Fast Neural Style Transfer* algorithm [5].
 - 2) Completed the first and the most comprehensive review in the field of *Neural Style Transfer* [1].
 - 3) Developed a *Human-body Parsing* algorithm and conducted related experiments [2, 7].
 - 4) Collected a dataset from Polyvore.com for the study of intelligent *Fashion Outfit Composition* and conducted related experiments [3, 8].

HONORS & AWARDS

Excellent Postgraduate Students' Award, Department of Education of Zhejiang Province	2019
Outstanding Intern Award, Alibaba Group	2019
National Scholarship (top 2%), Ministry of Education of China	2018
Graduate of Merit/Triple A Graduate, Zhejiang University	2018
Award of Honor for Graduates, Zhejiang University	2018
Outstanding Reviewer for Journal of Visual Communication and Image Representation	2017
National Scholarship (top 2%), Ministry of Education of China	2017
Graduate of Merit/Triple A Graduate, Zhejiang University	2017
Award of Honor for Graduates, Zhejiang University	2017
Academic Scholarship, Zhejiang University	2016
Early Graduate Honor (top 5%), South China University of Technology	2016
"Hong Ping Chang Qing" Academic Scholarship	2016
Honorable Mention in Interdisciplinary Contest In Modeling	2016
Volunteer Stars Awards, South China University of Technology	2015
1 st and 3 rd Class Scholarships, South China University of Technology	2013 - 2016
The Elite Program of Computer Science, South China University of Technology	2013 - 2016

ACADEMIC SERVICES**Journal Reviewer:**

- Journal of Visual Communication and Image Representation (JVCI)
- Information Sciences (INS)
- The Visual Computer (TVC)
- IET Computer Vision (IET-CVI)
- Journal of Electronic Imaging (JEI)
- Neurocomputing (NEUCOM)
- Neural Processing Letters (NEPL)

Conference Reviewer:

- Asian Conference on Computer Vision (ACCV)

SKILLS

Programming Language	Python, MATLAB, C++, C#, Java, PHP
Frameworks & Tools	TensorFlow, L ^A T _E X, Vim, Git
Language	Chinese (native), English (TOEFL: 101)