

# YONGCHENG JING

E-mail: [ycjing@zju.edu.cn](mailto:ycjing@zju.edu.cn)

Homepage: <http://yongchengjing.com> ◊ [Google Scholar Profile](#)

Room 404, Caoguangbiao Building, Zhejiang University, Hangzhou, 310027, China

## EDUCATION

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**Zhejiang University (ZJU)** Sept. 2016 - Present  
M.S. in Computer Science and Technology, Entrance Exam Free Expected graduation date: Mar. 2019  
GPA: 3.91/4.0  
Advisors: [Prof. Mingli Song](#) & [Prof. Yizhou Yu](#)

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

## MANUSCRIPTS & PUBLICATIONS

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### Manuscripts

- [1] **Y. Jing**, Y. Yang, Z. Feng, J. Ye, Y. Yu, and M. Song. Neural Style Transfer: A Review. *arXiv preprint arXiv:1705.04058v4*. Submitted to *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 2018
- [2] J. Ye, **Y. Jing**, X. Wang, K. Ou, D. Tao, and M. Song. Edge-Sensitive Human Cutout With Hierarchical Granularity and Loopy Matting Guidance. Submitted to *IEEE Transactions on Image Processing (TIP)*, 2018
- [3] Z. Feng, Z. Yu, **Y. Jing**, S. Wu, M. Song, Y. Yang, and J. Jiang. Interpretable Partitioned Embedding for Intelligent Multi-item Fashion Outfit Composition. Submitted to *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. Submitted to *IEEE Transactions on Information Forensics and Security (TIFS)*, 2018

### Proceedings

- [5] **Y. Jing**, Y. Liu, Y. Yang, Z. Feng, Y. Yu, D. Tao, and M. Song. Stroke Controllable Fast Style Transfer with Adaptive Receptive Fields. In *European Conference on Computer Vision (ECCV)*, 2018
- [6] 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**)
- [7] Z. Feng, Z. Yu, Y. Yang, **Y. Jing**, J. Jiang, and M. Song. Interpretable Partitioned Embedding for Customized Multi-item Fashion Outfit Composition. In *Proceedings of the ACM International Conference on Multimedia Retrieval (ICMR)*, 2018 (**Oral**)
- [8] Z. Feng, **Y. Jing**, C. Zhang, R. Xu, J. Lei, and M. Song. Graph-based Color Gamut Mapping using Neighbor Metric. In *Proceedings of the IEEE International Conference on Multimedia and Expo (ICME)*, 2017 (**Oral**)

## EXPERIENCE

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- Taobao AI Team, Alibaba Group** Oct. 2017 - Feb. 2018  
*Algorithm Engineer Intern* Hangzhou, China
- Applied the researches in my laboratory to practice.
    - 1) Implemented several algorithms [5, 6, 7] 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 Laboratory***Research Assistant*

July 2016 - Present

*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, 6].
  - 4) Collected a dataset from Polyvore.com for the study of intelligent *Fashion Outfit Composition* and conducted related experiments [3, 7].

**Laboratory of Machine Learning & Cybernetics in SCUT***Research Assistant*

Mar. 2014 - June 2016

*Guangzhou, China*

- Developed biometric-based authentication systems in an adversarial environment.
  - 1) Studied the motion blur attack against *Fingerprint Liveness Detection* algorithms [4].
  - 2) Collected a dataset for the study of *Face Liveness Detection*.

**HONORS & AWARDS**


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Outstanding Reviewer for Journal of Visual Communication and Image Representation	2017
National Scholarship (top 2%), Zhejiang University	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 <sup>st</sup> and 3 <sup>rd</sup> 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)
- Journal of Electronic Imaging (JEI)

**SKILLS**


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<b>Programming Language</b>	Python, MATLAB, C++, C#, Java, PHP
<b>Frameworks &amp; Tools</b>	TensorFlow, L <sup>A</sup> T <sub>E</sub> X, Vim, Git
<b>Language</b>	Chinese (native), English (professional working proficiency)