

# YONGCHENG JING

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## EDUCATION

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**Zhejiang University (ZJU)** Sep/2016 – Mar/2019 (expected)  
M.S. in Computer Science and Technology  
GPA: **3.91/4.0**  
Advisors: **Prof. Mingli Song & Prof. Yizhou Yu**; Collaborators: **Prof. Yezhou Yang & Prof. Dacheng Tao**

**South China University of Technology (SCUT)** Sep/2013 – Jul/2016  
B.Eng. in Computer Science and Technology  
Elite Program of Computer Science; Graduated with the Early Graduate Honor  
GPA: **3.85/4.0**

## EXPERIENCE

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**Taobao AI Team, Alibaba Group** Oct/2017 - Feb/2018  
*Algorithm Engineer Intern* Hangzhou, China

- Implemented several algorithms [1, 2, 3] proposed in our laboratory under the framework of Alibaba Group
- Launched related projects online
- Developed a *Deep Aesthetic Assessment* algorithm for ranking product images on *Taobao.com*

**Microsoft-ZJU Visual Perception Laboratory** Jul/2016 - Present  
*Research Assistant* Hangzhou, China

- Worked on the project on intelligent design with deep generative models
- Proposed a stroke controllable *Fast Neural Style Transfer* algorithm [1]
- Completed the first and the most comprehensive review in the field of *Neural Style Transfer* [5]
- Developed a *Human-body Parsing* algorithm and conducted related experiments [2, 6]
- 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** Mar/2014 – Jun/2016  
*Research Assistant* Guangzhou, China

- Developed biometric-based authentication systems in an adversarial environment
- Studied the motion blur attack against *Fingerprint Liveness Detection* algorithms [8]
- Collected a dataset for the study of *Face Liveness Detection*

## PUBLICATIONS

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- [1] **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
- [2] 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 Presentation**)
- [3] 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 Presentation**)
- [4] 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 Presentation**)

- [5] **Y. Jing**, Y. Yang, Z. Feng, J. Ye, Y. Yu, and M. Song. Neural Style Transfer: A Review. *arXiv preprint arXiv:1705.04058v7. IEEE Transactions on Visualization and Computer Graphics (TVCG)*, Under Review, 2018
- [6] J. Ye, **Y. Jing**, X. Wang, K. Ou, D. Tao, and M. Song. Edge-Sensitive Human Cutout With Hierarchical Granularity and Loopy Matting Guidance. *IEEE Transactions on Image Processing (TIP)*, Under Review, 2018
- [7] 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. *ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)*, Under Review, 2018
- [8] 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. *IEEE Transactions on Information Forensics and Security (TIFS)*, Under Review, 2018

## ACADEMIC SERVICES

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### 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)

### Conference Reviewer:

- Asian Conference on Computer Vision (ACCV)

## HONORS & AWARDS

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| 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 <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 |

## 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 (fluent)                    |