

# JiankangDeng

## Computer Vision

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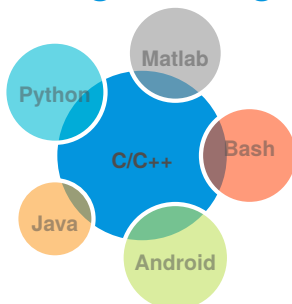
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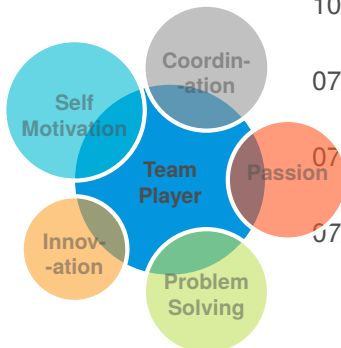
### Web & Git

ibug.jdeng  
github.com/jdeng

### Programming



### Personal Skills



## Education

- 2016 - 2020 **Doctor's Degree in Computer Engineering** [Imperial College London](#)  
I am funded by the **Imperial President's PhD Scholarships** (50/3487), and supervised by **Stefanos Zafeiriou** in the Intelligent Behaviour Understanding Group (**IBUG**). My research interest is visual localisation from image and video.
- 2012 - 2015 **Master's Degree in System Science** [NUIST](#)  
I always ranked first (1/43, average score: 91.09) in study. I was a member of Jiangsu Key Laboratory of Big Data Analysis Technology (**BDAT**). My supervisor were **Qingshan Liu** and **Dacheng Tao** (University of Sydney). My research interest was face detection and alignment.
- 2008 - 2012 **Bachelor's Degree in System Engineering** [NUIST](#)  
I always ranked first (1/48, average score: 94.20) in study. My major in Nanjing University of Information Science and Technology (NUIST) focused on the analysis and architecture for information system.

## Awards & Honors

- 02/2016 **Imperial President's PhD Scholarships** [Award](#)  
3487 applicants, 479 nominations, 50 awards
- 12/2016 **Outstanding Thesis Award** [Award](#)  
121 nominations, 20 awards by Chinese Institute of Electronics
- 09/2014 **1st in National Postgraduate Mathematical Modelling** [Contest](#)  
Visual Stimulation Related Brain Wave Separation for Mice
- 10/2014 **1st in IMAVIS 2014** [Contest](#)  
Face detection and alignment
- 12/2015 **1st in 300VW 2015** [Contest](#)  
Face detection, alignment and tracking
- 12/2015 **1st in ILSVRC 2015 DET task** [Contest](#)  
Object detection
- 12/2015 **1st in ILSVRC 2015 VID task** [Contest](#)  
Object detection from video
- 10/2016 **1st in ILSVRC 2016 VID task** [Contest](#)  
Object detection and tracking from video
- 07/2017 **1st in ILSVRC 2017 DET task** [Contest](#)  
Object detection
- 07/2017 **1st in ILSVRC 2017 VID task** [Contest](#)  
Object detection and tracking from video
- 07/2017 **1st in ActivityNet 2017** [Contest](#)  
Untrimmed Video Classification

## Academic Activities

12/2015	<b>ImageNet and COCO Challenges</b> Cascade Region Regression for Robust Object Detection (talk)	<a href="#">ICCV 2015</a>
12/2015	<b>300VW Challenge</b> Facial Shape Tracking via Spatio-Temporal Cascade Shape Regression (talk)	<a href="#">ICCV 2015</a>
10/2016	<b>ImageNet and COCO Challenges</b> Efficient Object Detection From Videos (talk)	<a href="#">ECCV 2016</a>
07/2017	<b>ImageNet Challenges</b> BDAT Object Detection (talk)	<a href="#">CVPR 2017</a>
07/2017	<b>ImageNet Challenges</b> Speed/Accuracy Trade-offs for Object Detection from Video (talk)	<a href="#">CVPR 2017</a>
07/2017	<b>ActivityNet Challenges</b> Improve Untrimmed Video Classification and Action Localization by Human and Object Tubelets (talk)	<a href="#">CVPR 2017</a>
07/2017	<b>Faces in-the-wild Workshop-Challenge</b> The Menpo Facial Landmark Localisation Challenge (organise)	<a href="#">CVPR 2017</a>
10/2017	<b>3D Face Tracking in-the-wild Competition</b> 300 3D Facial-Videos in-the-Wild Challenge (organise)	<a href="#">ICCV 2017</a>

## Work Experience

03/15 - 08/15	<b>Intern</b> Clothing Detection and Analysis. Work with <b>Shaoqing Ren</b> , <b>Yichen Wei</b> , and <b>Jian Sun</b> in Visual Computing Group of Microsoft Research Asia.	<a href="#">MSRA</a>
12/13 - 05/14	<b>Intern</b> Face Detection and Analysis. Work with <b>Junjie Yan</b> , <b>Yafeng Deng</b> , and <b>Chang Huang</b> in Baidu Institute of Deep Learning.	<a href="#">Baidu IDL</a>

## Certifications

11/2010	<b>Software Designer</b> Qualification Certificate of Computer and Software Technology Proficiency (QCCSTP)	<a href="#">Intermediate Qualification</a>
05/2011	<b>System Analyst</b> QCCSTP	<a href="#">Advanced Qualification</a>
11/2011	<b>Information System Project Management Division</b> QCCSTP	<a href="#">Advanced Qualification</a>
11/2012	<b>System Architect</b> QCCSTP	<a href="#">Advanced Qualification</a>

## Publications

- Jiankang Deng, Shiyang Cheng, Niannan Xue, Yuxiang Zhou, Stefanos Zafeiriou: UV-GAN: Adversarial Facial UV Map Completion for Pose-invariant Face Recognition. arXiv:1712.04695, 2017

- Jiankang Deng, George Trigeorgis, Yuxiang Zhou, Stefanos Zafeiriou: Joint Multi-view Face Alignment in the Wild. arxiv 1708.06023, 2017
- Niannan Xue, Jiankang Deng, Yannis Panagakis, Stefanos Zafeiriou: Informed Non-convex Robust Principal Component Analysis with Features. AAAI 2018 (oral)
- Stefanos Zafeiriou, George Trigeorgis, Grigorios Chrysos, Jiankang Deng, Jie Shen: The Menpo Facial Landmark Localisation Challenge: A step towards the solution. CVPR Workshops 2017:170-179
- Jiankang Deng, Yuxiang Zhou, Stefanos Zafeiriou: Marginal Loss for Deep Face Recognition. CVPR Workshops 2017:60-68
- Stylianos Moschoglou, Athanasios Papaioannou, Christos Sagonas, Jiankang Deng, Irene Kotsia, Stefanos Zafeiriou: AgeDB: the first manually collected, in-the-wild age database. CVPR Workshops 2017:51-59
- Qingshan Liu, Jing Yang, Jiankang Deng, Kaihua Zhang: Robust facial landmark tracking via cascade regression. Pattern Recognition 66: 53-62 (2017)
- Qingshan Liu, Jiankang Deng, Jing Yang, Guangcan Liu, Dacheng Tao: Adaptive Cascade Regression Model For Robust Face Alignment. IEEE Trans. Image Processing 26(2): 797-807 (2017)
- Jiankang Deng, Qingshan Liu, Jing Yang, Dacheng Tao:  $M^3$  CSR: Multi-view, multi-scale and multi-component cascade shape regression. Image Vision Comput. 47: 19-26 (2016)
- Dong Wang, Jing Yang, Jiankang Deng, Qingshan Liu: FaceHunter: A multi-task convolutional neural network based face detector. Sig. Proc.: Image Comm. 47: 476-481 (2016)
- Qingshan Liu, Jiankang Deng, Dacheng Tao: Dual Sparse Constrained Cascade Regression for Robust Face Alignment. IEEE Trans. Image Processing 25(2): 700-712 (2016)
- Xiaoyan Li, Tongliang Liu, Jiankang Deng, Dacheng Tao: Video Face Editing Using Temporal-Spatial-Smooth Warping. ACM TIST 7(3): 32:1-32:28 (2016)
- Xiao-Tong Yuan, Zhenzhen Wang, Jiankang Deng, Qingshan Liu: Efficient  $X^2$  Kernel Linearization via Random Feature Maps. IEEE Trans. Neural Netw. Learning Syst. 27(11): 2448-2453 (2016)
- Jiankang Deng, Yubao Sun, Qingshan Liu, Hanqing Lu: Low rank driven robust facial landmark regression. Neurocomputing 151: 196-206 (2015)
- Jing Yang, Jiankang Deng, Kaihua Zhang, Qingshan Liu: Facial Shape Tracking via Spatio-Temporal Cascade Shape Regression. ICCV Workshops 2015: 994-1002
- Dong Wang, Jing Yang, Jiankang Deng, Qingshan Liu: Hierarchical Convolutional Neural Network for Face Detection. ICIG (2) 2015: 373-384