JiankangDeng

Computer Vision

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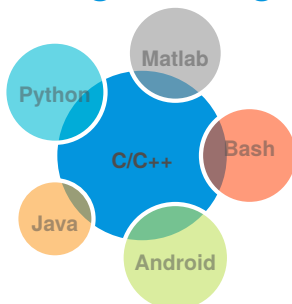
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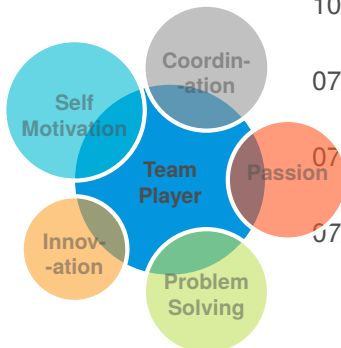
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Web & Git

ibug.jdeng
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Programming

Matlab
Python
C/C++
Bash
Java
Android

Personal Skills

Coordin-ation
Self Motivation
Team Player
Passion
Innov--ation
Problem Solving

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

Work Experience

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

Certifications

11/2010	**Software Designer**	Intermediate Qualification
	Qualification Certificate of Computer and Software Technology Proficiency (QCCSTP)	
05/2011	**System Analyst**	Advanced Qualification
	QCCSTP	
11/2011	**Information System Project Management Division**	Advanced Qualification
	QCCSTP	
11/2012	**System Architect**	Advanced Qualification
	QCCSTP	

Publications

- 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