Curriculum vitae

Personal Information

NAME	ZHAO Jian
ADDRESS	Vision and Machine Learning Lab, E4 - #08 - 27, 4 Engineering Drive 3, National University of Singapore, Singapore 117583
TEL	+65 - 96107176
EMAIL	zhaojian90@u.nus.edu / zhaojian9014@gmail.com
HOMEPAGE	zhaoj9014.github.io
NATIONALITY	China
DATE OF BIRTH	04.01.1990
GENDER	Male

Education Experience

DATES	Dec 2015 - Dec 2019
QUALIFICATION AWARDED	Ph.D., Computer Engineering
PRINCIPAL STUDIES	Deep Learning & Computer Vision
INSTITUTION	Learning and Vision Group, Department of Electrical and Computer Engineering, Faculty of Engineering, National University of Singapore, Singapore
SUPERVISORS	Dr. FENG Jiashi (NUS), Dr. YAN Shuicheng (NUS) Dr. LIU Hengzhu (NUDT)
DATES	Sep 2012 - Dec 2014
QUALIFICATION AWARDED	M.Eng., Computer Architecture
PRINCIPAL STUDIES	Signal Processing & Wireless Communication
INSTITUTION	School of Computer, National University of Defense Technology, China
SUPERVISORS	Dr. CHEN Xucan
DATES	Sep 2008 - Jul 2012
QUALIFICATION AWARDED	B.Sc., Automation Science and Electrical Engineering
PRINCIPAL STUDIES	System Modelling and Simulation
INSTITUTION	School of Automation Science and Electrical Engineering, Beihang University, China
SUPERVISORS	Dr. DONG Shaopeng, Dr. YUAN Mei

Curriculum vitae

Research Experience

DATES	Dec 2015 - Dec 2019
PROJECTS	Face Recognition & Object Semantic Segmentation
INSTITUTION	Learning and Vision Group, Department of Electrical and Computer Engineering, Faculty of Engineering, National University of Singapore, Singapore
SUPERVISORS	Dr. FENG Jiashi (NUS), Dr. YAN Shuicheng (NUS) Dr. LIU Hengzhu (NUDT)

DATES	Sep 2012 - Nov 2015
PROJECTS	Signal Processing & Wireless Communication
INSTITUTION	School of Computer, National University of Defense Technology
SUPERVISORS	Dr. CHEN Xucan

DATES	Sep 2008 - Jul 2012
PROJECTS	System Modelling and Simulation
INSTITUTION	School of Automation Science and Electrical Engineering, Beihang University
SUPERVISORS	Dr. DONG Shaopeng, Dr. YUAN Mei

Work Experience

DATES	Dec 2015 - Apr 2017
OCCUPATION	Research Assistant
INSTITUTION	NUS Module: EE2024 PROGRAMMING FOR COMPUTER INTERFACES

DATES	May 2016 - May 2017
OCCUPATION	Research Intern
INSTITUTION	Core Technology Group, Learning & Vision, Panasonic R&D Center Singapore

DATES	Sep 2007 - Mar 2008
OCCUPATION	Software Engineer
INSTITUTION	China Aerospace Science and Industry Corporation (CASIC)

Curriculum vitae

Publications

[1] **ZHAO Jian**, LI Jianshu, NIE Xuecheng, ZHAO Fang, CHEN Yunpeng, WANG Zhecan, YAN Shuicheng, and FENG Jiashi, "Self/ Supervised Neural Aggregation Networks for Human Parsing", CVPR 2017 Workshop on Visual Understanding of Human in Crowd Scene, May 2017.

[2] LI Jianshu, CHEN Yunpeng, XIAO Shengtao, **ZHAO Jian**, Sujoy Roy, FENG Jiashi, YAN Shuicheng, and Terencei Sim, "Estimation of Affective Level in the Wild with Multiple Memory Networks", CVPR Faces in/ the/ wild 2017 Workshop, May 2017.

[3] Lin XIONG, Jayashree Karlekar, **Jian ZHAO**, Jiashi FENG, and Shengmei SHEN, "A Good Practice Towards Top Performance of Face Recognition: Transferred Deep Feature Fusion", arXiv, Apr 2017. (**The first three authors are with equal contributions**)

[4] **ZHAO Jian**, LI Jianshu, ZHAO Fang, FENG Jiashi, and YAN Shuicheng, "Marginalized CNN: Learning Deep Invariant Representations", BMVC2017, Mar 2017. (under review)

[5] **ZHAO Jian**, ZHAO Jiaojiao, LI Jianshu, ZHAO Fang, Jayashree Karlekar, FENG Jiashi, and YAN Shuicheng, "Multi/ Prototype Networks for Unconstrained Set/ based Face Recognition", ICCV2017, Mar 2017. (under review)

[6] ZHAO Fang, LI Jianshu, **ZHAO Jian**, FENG Jiashi, and YAN Shuicheng, "Weakly Supervised Phrase Localization with Multi/ Scale Anchored Transformer Network", ICCV2017, Mar 2017. (under review)

[7] LI Jianshu, ZHAO Fang, **ZHAO Jian**, FENG Jiashi, and YAN Shuicheng, "Landmark Free Face Attribute Prediction", ICCV2017, Mar 2017. (under review)

[8] ZHAO Fang, FENG Jiashi, **ZHAO Jian**, YANG Wenhan, and YAN Shuicheng, "Robust LSTM/ Autoencoders for Face De/ Occlusion in the Wild", TIP, Dec 2016. (under review)

[9] LI Jianshu, **ZHAO Jian**, ZHAO Fang, LIU Hao, LI Jing, SHEN Shengmei, FENG Jiashi, and Terence Sim, "Robust face recognition with deep multi/ view representation learning", ACM MM16, Jun 2016.

[10] **Jian ZHAO**, Hengzhu LIU, Xucan CHEN, and Ting CHEN, "A New Technology for MIMO Detection: The μ Quantum Genetic Sphere Decoding Algorithm", 2014 Annual Conference on Advanced Computer Architecture (ACA2014), August 2014.

[11] **Jian ZHAO**, Hengzhu LIU, Xucan CHEN, Botao ZHANG, and Ting CHEN, "Research on a kind of optimization scheme of MIMO/ OFDM sphere equalization technology for unmanned aerial vehicle wireless image transmission data link system", 2014 Annual Conference on Advanced Computer Architecture (ACA2014), August 2014.

[12] **Jian ZHAO**, Hengzhu LIU, Xucan CHEN, and Zhengfa LIANG, "REALIZATION AND DESIGN OF A PILOT ASSIST DECISION/ MAKING SYATEM BASED ON SPEECH RECOGNITION", Fourth International Conference on Artificial Intelligence, Soft Computing and Applications (AIAA2014), May 2014.

[13] **Jian ZHAO**, Hengzhu LIU, Xucan CHEN, Botao ZHANG, and Li ZHOU, "A NEW EFFICIENT KEY TECHNOLOGY FOR SPACE TELEMETRY WIRELESS DATA LINK: THE LOW/ COMPLEXITY SC/ CPM SC/ FDE ALGORITHM", 2014 International Conference on Information and Communications Technologies (ICT2014), May 2014.

[14] **Jian ZHAO**, Hengzhu LIU, Xucan CHEN, and Shandong YUAN, "Design and Implementation for a New Kind of Extensible Digital Communication Simulation System Based on Matlab", JOURNAL OF NORTHEASTERN UNIVERSITY, May 2014.

Awards

- No.1 on CVPR Faces in/ the/ wild 2017 Challenge

- No.1 on National Institute of Standards and Technology (NIST) 2017 IARPA Janus Benchmark A (IJB-A) Face Verification Challenge and Face Identification Challenge
- No.3 on the Hard set of MSR Image Recognition Challenge (IRC) @ ACM Multimedia 2016
- 2015 "Excellent Student Award", School of Computer, National University of Defense Technology (<10%)
- 2014 "Excellent Graduate", National University of Defense Technology (<2%)
- 2014 "Excellent Student Award", National University of Defense Technology (<2%)
- 2014 "Guanghua Scholarship", National University of Defense Technology (<2%)
- Third prize in the 13th "Great Wall Information Cup" competition, National University of Defense Technology
- 2013 "Excellent Student Award", School of Computer, National University of Defense Technology (<10%)
- No.1 on the "Big Data Processing and Information Sub/ Forum of the 6th Graduate Innovation Forum", The Education Ministry of Hunan Province
- 2012 "Excellent Graduate", Beihang University (<2%)
- No.2 on the 5th "Student Research Training Program (SRTP)", Education Ministry of China
- 2011 "National Endeavor Scholarship", Central Government & Beijing Government of China
- No.3 on the 21th "FENG RU Cup" Competition, Beihang University
- 2010 "SMC Scholarship", Beihang University

Skills

- Excellent programming skills in Caffe, Tensorflow and Keras, Python, and Matlab
- Comfortable working knowledge in C and Mathematica. Strong analytical and problem solving skills, excellent communication skills and collaborative work ethic

Interests

- Artificial Intelligence, Deep Learning & Computer Vision, Face Recognition, Object Detection, and Object Semantic Segmentation

Hobbies

- Travel, Fitness, Mixed Martial Arts (MMA) and Brazilian Jiu - Jitsu (BJJ)

PS

- I am a three - strip white belt in BJJ under Evolve MMA Singapore