Yida WANG

PH.D CANDIDATE · COMPUTER VISION AND MACHINE LEARNING

Munich, Germany

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Education

Technische Universität München   *Munich, Germany*

PH.D IN COMPUTER AIDED MEDICAL IMAGE PROCESSING AND AUGMENTED REALITY   *Jun. 2017*

- Mentor Dr. Federico Tombari, Advisor Prof. Nassir Navab

Beijing University of Posts and Telecommunications   *Beijing, PRC*

M.S. IN PATTERN RECOGNITION AND INTELLIGENT SYSTEM   *Sep. 2014 - Mar. 2017*

- Ranking **1st** among 760 students in 2016 -average score: 83.04(GPA: 3.32) -major score: 85.38(GPA: 3.42)

Beijing University of Posts and Telecommunications   *Beijing, PRC*

B.S. IN INFORMATION AND COMMUNICATION ENGINEERING   *Sep. 2010 - Jul. 2014*

- Ranking **top 20%** among 800 students in 2014 -average score: 87.95(GPA: 3.52) -major score: 89.5(GPA: 3.58)

Skills

Programming   Matlab, Scilab, C/C++, Python2/3, LaTeX
Machine Learning Bayesian Theory, Linear Analysis, Caffe, TensorFlow, OpenCV, tiny-dnn
Languages   English(TOEFL: 92; GRE math: 163; CET-4: 613; CET-6: 552), Chinese, Deutsch

Publications

ZigzagNet: Efficient Deep Learning for Real Object Recognition Based on 3D Models   *ACCV 2016*

YIDA WANG, CAN CUI AND WEIHONG DENG   *Jul. 2016*

Self-restraint Object Recognition by Model Based CNN Learning   *ICIP 2016 - Oral*

YIDA WANG AND WEIHONG DENG   *May. 2016*

CNTK on Mac: 2D Object Restoration and Recognition Based on 3D Model   *Microsoft Faculty Summit 2016*

YIDA WANG   *Jul. 2016*

Large-Scale 3D Shape Retrieval from ShapeNet Core55   *EG 2016 workshop on 3D OR*

CO-AUTHOR   *Mar. 2016*

OpenCV API page on 3D object pose estimation based on CNN (online doc for OpenCV)   *OpenCV 3.1*

YIDA WANG, MANUELE TAMBURRANO AND STEFANO FABRI   *Sep. 2015*

Face Recognition Using Local PCA Filters   *CCBR 2015*

YIDA WANG, SHASHA LI, JIANI HU AND WEIHONG DENG   *Apr. 2015*

Honors & Awards

2016	**Award**, National Scholarship for Master Students (top scholarship in China) 2016	*Beijing, PRC*
2016	**1st prize**, Innovation Awards of BUPT 2016	*Beijing, PRC*
2016	**2nd prize**, Microsoft Open Source Challenge 2016	*Redmond, U.S.A*
2016	**Award**, 1st rank BUPT scholarship	*Beijing, PRC*
2015	**Award**, Excellent Master Student of BUPT	*Beijing, PRC*
2015	**Award**, 1st rank BUPT scholarship	*Beijing, PRC*
2014	**Award**, Excellent Graduate of Beijing City	*Beijing, PRC*
2013	**1st prize**, SCILAB Scientific open source Contest	*Hefei, PRC*
2009	**3rd prize**, National Mathematics Competition of Senior High School	*Dalian, PRC*
2009	**1st prize**, National Chemistry Competition of Senior High School	*Shenyang, PRC*
2009	**2nd prize**, National Physics Competition of Senior High School	*Shenyang, PRC*

Experience

Pattern Recognition & Intelligent System Lab

Beijing, PRC

MACHINE LEARNING RESEARCHER

Sep. 2014 - Mar. 2017

- Mentor: Weihong Deng (http://www.pris.net.cn/introduction/teacher/dengweihong). Doing research on face recognition, object recognition, semantic segmentation based on traditional methods and deep learning.

Google Open Source & OpenCV

Beijing, PRC

MACHINE LEARNING RESEARCHER & SOFTWARE ENGINEER

Apr. 2015 - Sep. 2016

- Mentor: Stefano Fabri and Manuele Tamburrano. Sponsored by Google Summer of Code 2015 to 2016. Maintaining tiny-dnn project and developing 3D object recognition API. Member of project tiny-dnn with five other researchers.
  Here are online video demos for them with hyperlinks: 3D Object Multi-task Learning and tiny-dnn on iOS

Alibaba

Beijing, PRC

SOFTWARE ENGINEER

Jun. 2015 - Jul. 2015

- Competitor in Tianchi Big Data Contest 2015. Predicting customers' shopping intention, ranking the 68th team in over 1500 teams from all over the world.

WINE

Beijing, PRC

SOFTWARE ENGINEER

May. 2015 - Jun. 2015

- Character matching, Extracting feature from PCANet to match figures in OPEN SOURCE figures with standard Microsoft figures.

Presentation

Microsoft Falculty Summit 2016

Redmond, USA

PRESENTER FOR 3D MODEL UTILIZATION FOR DEEP LEARNING WITH CNTK

April. 2016

- For 2nd Prize in Microsoft Open Source Challenge. Having report on Microsoft Faculty Summit 2016. Mainly implementing deep learning application based on models and photos.

International Conference on Image Processing 2016

Arizona, USA

PRESENTER FOR SELF-RESTRAINT OBJECT RECOGNITION

Sep. 2016

- Oral presentation for new procedure for foreground object reconstruction with deep structure using 3D models.

Extracurricular Activity

Track and Field Team of BUPT

Beijing, PRC

TEAM MEMBER

Nov. 2010 - Mar. 2017

- Gold and Bronze medal in Capital College Track and Field Games
- Bronze medal in Beijing International Triathlon 2015 in 20-24 age group

Class 11 in SICE of BUPT

Beijing, PRC

CLASS MASTER

Sep. 2014 - Mar. 2017

- Class Master of Class 11 in School of Information and Telecommunication Engineering.

Caffe, OpenCV and tiny-dnn
Open Source Contributor

Beijing, PRC
Sep. 2013 - now

Program Committees

2016-12-12
   to   **Editor**, Editorial Board of Journal of Artificial Intelligence Practice   *Canada*
2021-12-12