



Yida WANG

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Education

Technische Universität München

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

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

Munich, Germany

Jun. 2017

Beijing University of Posts and Telecommunications

M.S. IN PATTERN RECOGNITION AND INTELLIGENT SYSTEM

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

Beijing, PRC

Sep. 2014 - Mar. 2017

Beijing University of Posts and Telecommunications

B.S. IN INFORMATION AND COMMUNICATION ENGINEERING

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

Beijing, PRC

Sep. 2010 - Jul. 2014

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

ForkNet: Multi-branch Volumetric Semantic Completion from a Single Depth Image

YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI

IEEE Int. Conf. Computer Vision

2019

Variational Object-aware 3D Hand Pose from a Single RGB Image

YIDA WANG, YAFEI GAO, PIETRO FALCO, NASSIR NAVAB, FEDERICO TOMBARI

IEEE RAL

2019

Adversarial Semantic Scene Completion from a Single Depth Image

YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB AND FEDERICO TOMBARI

IEEE Int. Conf. 3D Vision

2018

Generative Model with Coordinate Metric Learning for Object Recognition Based on 3D Models

YIDA WANG AND WEIHONG DENG

IEEE Trans. Image Processing

2018

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

YIDA WANG, CAN CUI AND WEIHONG DENG

Asian Conf. Computer Vision

2016

Self-restraint Object Recognition by Model Based CNN Learning

YIDA WANG AND WEIHONG DENG

IEEE Int. Conf. Image Processing

2016

CNTK on Mac: 2D Object Restoration and Recognition Based on 3D Model

YIDA WANG

Microsoft Faculty Summit 2016

2016

Large-Scale 3D Shape Retrieval from ShapeNet Core55

CO-AUTHOR

EG 2016 workshop on 3D

2016

OpenCV tutorial on 3D object pose estimation & super resolution

YIDA WANG, MANUELE TAMBURRANO AND STEFANO FABRI

OpenCV 3 and 4

2015, 2019

Face Recognition Using Local PCA Filters

YIDA WANG, SHASHA LI, JIANI HU AND WEIHONG DENG

CCBR 2015

2015

Awards

2017 - 2019 **Award**, TUM-CAMPAR Scholarship for internal Ph.D student

Munich, Germany

2018 **Award**, Bleence Research Fellowship

Munich, Germany

2016 **Award**, National Scholarship for Master Students (top scholarship in China)

Beijing, PRC

2016 **1st prize**, Innovation Awards of BUPT

Beijing, PRC

2016 **2nd prize**, Microsoft Open Source Challenge

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

Bleenco

Munich, Germany

RESEARCH FELLOW

Mar. 2018 -

- Sponsored by Irman Abdić for current research projects in TUM and exploit novel researches in computer vision and machine learning.

Google & OpenCV

Beijing, PRC

SOFTWARE ENGINEER

Apr. 2015 - Sep. 2016

- Supervised by Stefano Fabri and Manuele Tamburrano and sponsored by "Google Summer of Code" to develop tiny-dnn for deep learning and opencv cnn module for 3D object recognition. Online demos: 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 Faculty 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.

Extra Activity

CAMPAR, Technical University of Munich

Munich, Germany

TUTOR

Oct. 2017 - Mar. 2018

- Foundations of Computer Vision
- Recent Trends in 3D Computer Vision and Deep Learning
- Deep Generative Models

BUPT track and field team

Beijing, PRC

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

School of Information and Communication Engineering, BUPT

Beijing, PRC

CLASS MASTER

Sep. 2014 - Mar. 2017

Caffe, OpenCV and tiny-dnn

Beijing, PRC

OPEN SOURCE CONTRIBUTOR

Sep. 2013 - 2019

Program Committees

2016-12-12

to **Editor**, Editorial Board of Journal of Artificial Intelligence Practice

Canada

2021-12-12