



Yida WANG

PH.D STUDENT · COMPUTER VISION AND MACHINE LEARNING

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🌐 Yida Wang | 📧 Yida Wang

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)

Publications

Adversarial Semantic Scene Completion from a Single Depth Image

IEEE International Conference on 3D Vision

YIDA WANG, DAVID TAN, NASSIR NAVAB AND FEDERICO TOMBARI

2018

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

IEEE Transactions on Image Processing

YIDA WANG AND WEIHONG DENG

2018

- Impact Factor 4.828

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

Asian Conference on Computer Vision

YIDA WANG, CAN CUI AND WEIHONG DENG

2016

Self-restraint Object Recognition by Model Based CNN Learning

IEEE International Conference on Image Processing

YIDA WANG AND WEIHONG DENG

2016

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

Microsoft Faculty Summit 2016

YIDA WANG

2016

Large-Scale 3D Shape Retrieval from ShapeNet Core55

EG 2016 workshop on 3D

CO-AUTHOR

2016

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

OpenCV3 and 4

YIDA WANG, MANUELE TAMBURRANO AND STEFANO FABRI

2015

Honors & Awards

2017 - 2019	Award , TUM-CAMPAR Scholarship for internal Ph.D student	<i>Munich, Germany</i>
2018	Award , Bleence Research Fellowship	<i>Munich, Germany</i>
2016	Award , National Scholarship for Master Students (top scholarship in China)	<i>Beijing, PRC</i>
2016	1st prize , Innovation Awards of BUPT	<i>Beijing, PRC</i>
2016	2nd prize , Microsoft Open Source Challenge	<i>Redmond, U.S.A</i>
2016	Award , 1st rank BUPT scholarship	<i>Beijing, PRC</i>
2015	Award , Excellent Master Student of BUPT	<i>Beijing, PRC</i>
2015	Award , 1st rank BUPT scholarship	<i>Beijing, PRC</i>
2014	Award , Excellent Graduate of Beijing City	<i>Beijing, PRC</i>
2013	1st prize , SCILAB Scientific open source Contest	<i>Hefei, PRC</i>
2009	3rd prize , National Mathematics Competition of Senior High School	<i>Dalian, PRC</i>
2009	1st prize , National Chemistry Competition of Senior High School	<i>Shenyang, PRC</i>
2009	2nd prize , National Physics Competition of Senior High School	<i>Shenyang, PRC</i>

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.

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

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.

Extracurricular Activity

BUPT

Beijing

COURSE TAKER

2016

- Probabilistic Theory and Stochastic Process - score 93
- Pattern Recognition and Machine Learning - score 95
- High Speed Communication System - score 96

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

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

Beijing, PRC

OPEN SOURCE CONTRIBUTOR

Sep. 2013 - now

Program Committees

2016-12-12

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

Canada

2021-12-12