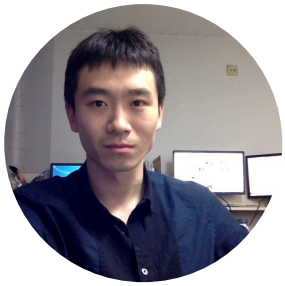

Yida **WANG**

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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)

Publications

ForkNet: Multi-branch Volumetric Semantic Completion from a Single Depth Image — *IEEE Int. Conf. Computer Vision*

Yida Wang, David Joseph Tan, Nassir Navab, Federico Tombari — *2019*

Variational Object-aware 3D Hand Pose from a Single RGB Image — *IEEE RAL*

Yida Wang, Yafei Gao, Pietro Falco, Nassir Navab, Federico Tombari — *2019*

Adversarial Semantic Scene Completion from a Single Depth Image — *IEEE Int. Conf. 3D Vision*

Yida Wang, David Joseph Tan, Nassir Navab and Federico Tombari — *2018*

Generative Model with Coordinate Metric Learning for Object Recognition Based on 3D Models — *IEEE Trans. Image Processing*

Yida Wang and Weihong Deng — *2018*

ZigzagNet: Efficient Deep Learning for Real Object Recognition Based on 3D Models — *Asian Conf. Computer Vision*

Yida Wang, Can Cui and Weihong Deng — *2016*

Self-restraint Object Recognition by Model Based CNN Learning — *IEEE Int. Conf. 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 tutorial on 3D object pose estimation & super resolution *OpenCV 3 and 4*

Yida Wang, Manuele Tamburrano and Stefano Fabri *2015, 2019*

Face Recognition Using Local PCA Filters *CCBR 2015*

Yida Wang, Shasha Li, Jiani Hu and Weihong Deng *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 leanring.

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 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.

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