Yida **WANG**

PH.D STUDENT · COMPUTER VISION AND PATTERN RECOGNITION

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Education

Technische Universität München   *Munich, Germany*

PH.D. *in Computer Science*   *Jun. 2017*

- mentored by Dr. Federico Tombari & Prof. Nassir Navab

Beijing University of Posts and Telecommunications   *Beijing, PRC*

M.SC.ENG. *in Electronics and Communication Engineering*   *Sep. 2014 - Mar. 2017*

- mentored by Prof. Dr. Weihong Deng
- GPA: 3.32 (major: 3.42), Beijing Excellent Graduate

Beijing University of Posts and Telecommunications   *Beijing, PRC*

B.SC. *in Communication Engineering*   *Sep. 2010 - Jul. 2014*

- mentored by Dr. Ping Chen
- GPA: 3.52 (major: 3.58), Beijing Excellent Graduate

Publications

SoftpoolNet: Shape Descriptor for Point Cloud Completion and Classification   *Euro. Conf. Computer Vision - **oral***

YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI   *online demo 2020*

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   *online demo 2019*

Variational Object-aware 3D Hand Pose from a Single RGB Image   *IEEE Robot. Autom. Lett.*

YIDA WANG, YAFEI GAO, PIETRO FALCO, NASSIR NAVAB, FEDERICO TOMBARI   *online demo 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   *online demo 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   *link 2016*

Large-Scale 3D Shape Retrieval from ShapeNet Core55

EG 2016 workshop on 3D

Co-author

_2016_

Tutorial on 3D object pose estimation & super resolution

OpenCV 3 and 4

Yida Wang, Manuele Tamburrano and Stefano Fabri

link 2015, 2019

Face Recognition Using Local PCA Filters

CCBR 2015

Yida Wang, Shasha Li, Jiani Hu and Weihong Deng

_2015_

Awards

2019	**Award**, Chinese Award for Outstanding Self-financed Student Abroad	_Munich, Germany_
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	**Final**, Tianchi Big Data Contest	_Hangzhou, 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_
2016	**Gold medal**, Capital College Track and Field Games 4×400	_Beijing, PRC_
2014	**Bronze medal**, Capital College Track and Field Games 3000 steeplechase	_Beijing, PRC_
2015	**Bronze medal**, Beijing International Triathlon	_Beijing, PRC_

Experience

Bleenco

Munich, Germany

Research Fellow

Mar. 2018 -

- Sponsored by Bleenco 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 multi-task learning and tiny-dnn on iOS.

Skills

Programming	C/C++, Python, LaTeX, CUDA, Matlab, Scilab, shell, markdown
Pattern Recognition	Bayesian Inference, Tensor Algebra, Deep Learning, 3D Vision
Languages	English (TOEFL: 92 & CET-6: 552), Chinese, Deutsch

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

School of Information and Communication Engineering, BUPT   *Beijing, PRC*

Class Master   *Sep. 2014 - Mar. 2017*