Yida **WANG**

PH.D STUDENT · COMPUTER VISION AND PATTERN RECOGNITION

Lillweg 13, Munich, Germany

(+49) 178-127-9929 | ✉ yida.wang@tum.de | ⌂ wangyida.github.io | ⌨ wangyida | 🖋 yida-wang | 🔗 Yida Wang | ⓢ wangyida123@outlook.com

Education

Technische Universität München	*Munich, Germany*
PH.D. *in Computer Science*	*Jun. 2017 -*

Beijing University of Posts and Telecommunications	*Beijing, PRC*
M.SC.ENG. *in Electronics and Communication Engineering*	*Sep. 2014 - Mar. 2017*

- major GPA: 3.42, Beijing Excellent Graduate

Beijing University of Posts and Telecommunications	*Beijing, PRC*
B.SC. *in Communication Engineering*	*Sep. 2010 - Jul. 2014*

- major GPA: 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*

Structure-SLAM: Low-Drift Monocular SLAM in Indoor Environments	*IEEE/RSJ Int. Conf. Intelligent Robots and Systems*
YANYAN LI, NIKOLAS BRASCH, YIDA WANG, NASSIR NAVAB, FEDERICO TOMBARI	*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

2020	**Award**, MLH Fellowship	*Munich, Germany*
2020	**Award**, National Scholarship for Outstanding Self-financed Oversea PhD Student	*Beijing, PRC*
2017 - 2020	**Award**, TUM Ph.D scholarship	*Munich, Germany*
2018-2019	**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

Facebook *Seattle, USA*

Research Intern *Jun. 2021 - Nov. 2021*

- 3D eye reconstruction

Google & OpenCV *Beijing, PRC*

Software Engineer *Apr. 2015 - Sep. 2016*

- Develop tiny-dnn as deep learning backend for OpenCV. Demo: 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*