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 | yidawang.cn@gmail.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 - major GPA: 3.42* — *Sep. 2014 - Mar. 2017*

Beijing University of Posts and Telecommunications — *Beijing, PRC*

B.SC. *in Communication Engineering - major GPA: 3.58* — *Sep. 2010 - Jul. 2014*

Publications

Self-supervised Latent Space Optimization with Nebula Variational Coding — *T-PAMI (final revision)*

YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI — *2021*

SoftPool++: An Encoder-Decoder Network for Point Cloud Completion — *Int. J. Comput. Vis. (final revision)*

YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI — *2021*

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*
2017-2021	**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 - Oct. 2021*

- Single-view semantic 3D eye reconstruction, Facebook Reality Lab - Eye tracking team

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

Tutor, Technical University of Munich — *Munich, Germany*

Oct. 2017 - Mar. 2018

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