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 -*
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 - Oct. 2021*
- Geometric of real scaning on real eye scans with models trained from synthetic data.

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*