王一达

博士 · 计算机科学/信息学

德国-巴伐利亚-慕尼黑，慕尼黑工业大学（Technische Universität München）

(+49) 151-2710-5028 | yida.wang@tum.de | wangyida.github.io | wangyida | yida-wang |
Yida Wang | wangyida123@outlook.com

教育经历

Technische Universität München(慕尼黑工大)   *Munich, Germany*
PH.D IN COMPUTER AIDED MEDICAL IMAGE PROCESSING AND AUGMENTED REALITY   *Jun. 2017*
- Mentor Dr. Federico Tombari, Advisor Prof. Nassir Navab

北京邮电大学   *Beijing, PRC*
M.S. IN PATTERN RECOGNITION AND INTELLIGENT SYSTEM   *Sep. 2014 - Mar. 2017*
- 电子与通信工程综合排名第 **1**, average score: 83.04(GPA: 3.32), major score: 85.38(GPA: 3.42)

北京邮电大学   *Beijing, PRC*
B.S. IN INFORMATION AND COMMUNICATION ENGINEERING   *Sep. 2010 - Jul. 2014*
- average score: 87.95(GPA: 3.52), major score: 89.5(GPA: 3.58)

论文

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*

奖项-

2020	**Award,** 国家优秀非资助留学生奖学金	*Munich, Germany*
2017 - 2019	**Award,** TUM-CAMPAR 博士全奖	*Munich, Germany*
2018	**Award,** Bleence Research Fellowship	*Munich, Germany*
2016	**Award,** 国家奖学金 (国内最高学生奖学金)	*Beijing, PRC*
2016	**1st prize,** 北邮创新奖	*Beijing, PRC*
2016	**2nd prize,** 微软开源挑战赛	*Redmond, U.S.A*
2016	**Award,** 一等奖学金	*Beijing, PRC*
2015	**Award,** 北京市优秀硕士毕业生	*Beijing, PRC*
2015	**Final,** 天池大数据竞赛	*Hangzhou, PRC*
2015	**Award,** 一等奖学金	*Beijing, PRC*
2014	**Award,** 北京市优秀本科毕业生	*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,** 北京国际铁人三项赛	*Beijing, PRC*

经历-

Bleenco *Munich, Germany*
研究员 *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*
软件工程师 *Apr. 2015 - Sep. 2016*
• 合作人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. 线上展示: 3D multi-task learning and tiny-dnn on iOS.

专业技能

计算机	C/C++, Python, LaTeX, CUDA, Matlab, Scilab, shell, markdown
模式识别/机器学习	Bayesian Inference, Tensor Algebra, Deep Learning, 3D Vision
外语	英语 (TOEFL: 92 & CET-6: 552), 德语

其他活动

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*