



王一达

计算机科学博士 • 计算机视觉和机器学习

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教育经历

慕尼黑工业大学 **GERMANY**

Ph.D. in 计算机科学

德国慕尼黑

2017 - 2022

北京邮电大学 **CHINA**

北京

M.Sc.Eng. in 电子与通信工程

2014 - 2017

北京邮电大学 **CHINA**

北京

B.Sc. in 通信工程

2010 - 2014

论文节选

- [1] **SecNet: Semantic Eye Completion in Implicit Field**
YIDA WANG, YIRU SHEN, DAVID JOSEPH TAN, FEDERICO TOMBARI, SACHIN TALATHI, NEURIPS GAZE MEETS ML (PMLR)²⁰²²
- [2] **Lidar Upsampling with Sliced Wasserstein Distance**
ARTEM SAVKIN, YIDA WANG, SEBASTIAN WIRKERT, NASSIR NAVAB, FEDERICO TOMBARI, IEEE ROBOTICS AND AUTOMATION LETTERS (RAL)²⁰²²
- [3] **Self-supervised Latent Space Optimization with Nebula Variational Coding**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE (T-PAMI)²⁰²²
- [4] **Learning Local Displacements for Point Cloud Completion**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR)²⁰²²
- [5] **SoftPool++: An Encoder-Decoder Network for Point Cloud Completion**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, INTERNATIONAL JOURNAL OF COMPUTER VISION (IJCV)²⁰²²
- [6] **SoftPoolNet: Shape Descriptor for Point Cloud Completion and Classification**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, EUROPEAN CONFERENCE ON COMPUTER VISION (ECCV)²⁰²⁰ ORAL [DEMO](#)
- [7] **Structure-SLAM: Low-Drift Monocular SLAM in Indoor Environments**
YANYAN LI, NIKOLAS BRASCH, YIDA WANG, NASSIR NAVAB, FEDERICO TOMBARI, INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS)-RAL²⁰²⁰
- [8] **ForkNet: Multi-branch Volumetric Semantic Completion from a Single Depth Image**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, INTERNATIONAL CONFERENCE ON COMPUTER VISION (ICCV)²⁰¹⁹
- [9] **Variational Object-aware 3D Hand Pose from a Single RGB Image**
YIDA WANG, YAFEI GAO, PIETRO FALCO, NASSIR NAVAB, FEDERICO TOMBARI, THE IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)-RAL²⁰¹⁹ [DEMO](#)
- [10] **Adversarial Semantic Scene Completion from a Single Depth Image**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB AND FEDERICO TOMBARI, 3DV²⁰¹⁸ [DEMO](#)
- [11] **Generative Model with Coordinate Metric Learning for Object Recognition Based on 3D Models**
YIDA WANG AND WEIHONG DENG, IEEE TRANSACTIONS ON IMAGE PROCESSING (TIP)²⁰¹⁸
- [12] **ZigzagNet: Efficient Deep Learning for Real Object Recognition Based on 3D Models**
YIDA WANG, CAN CUI AND WEIHONG DENG, ASIA CONFERENCE ON COMPUTER VISION (ACCV)²⁰¹⁶
- [13] **Self-restraint Object Recognition by Model Based CNN Learning**
YIDA WANG AND WEIHONG DENG, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP)²⁰¹⁶

[14] **Large-Scale 3D Shape Retrieval from ShapeNet Core55**
CO-AUTHORED, [EUROGRAPHICS \(EG\)](#)²⁰¹⁶

[15] **Face Recognition Using Local PCA Filters**
YIDA WANG, SHASHA LI, JIANI HU AND WEIHONG DENG, [CCBR](#)²⁰¹⁵

奖励基金

Fellows	2017-2021, MLH ^[1] , TUM ^[2] , Bleence ^[3]	Munich, Germany
Contest	2016, 微软全球开源挑战赛 2 nd 等奖	Redmond, U.S.A
	2016, BUPT Innovation Awards 1 st 等奖	Beijing, PRC
	2015, 天池大数据竞赛决赛	Hangzhou, PRC
	2013, SCILAB Scientific open source Contest 1 st 等奖	Hefei, PRC
	2009, 全国高中生联合竞赛 3 rd , 1 st and 2 nd 等奖	Dalian, PRC
Awards	2019, 国家优秀博士留学生奖学金	Munich, Germany
	2017, 北京优秀硕士毕业生	Beijing, PRC
	2016, 国家奖学金	Beijing, PRC
	2014, 北京优秀本科毕业生	Beijing, PRC
Others	2016, 首都高校田径运动会 4x400 金牌	Beijing, PRC
	2015, 北京国际铁人三项铜牌	Beijing, PRC
	2014, 首都高校田径运动会 3000 steeplechase 铜牌	Beijing, PRC

工作经历

Synthesisia	London, UK
RESEARCH INTERN	Jun. 2022 - Oct. 2022
• High-fidelity Neural Actor	
Facebook Reality Lab Research	Seattle, USA
RESEARCH INTERN	Jun. 2021 - Oct. 2021
• Single-view semantic 3D eye reconstruction for eye tracking	
Microsoft Research	Redmond, USA
PRIZE WINNER	Apr. 2016 - May 2016
• Make multi-thread deep learning for CNTK, awarded as global 2 nd prize in Microsoft open source challenge .	
OpenCV – sponsored by Google	Beijing, PRC
SOFTWARE ENGINEER	Apr. 2015 - Sep. 2016
• An initial developer of tiny-dnn , which is the deep learning backend for OpenCV.	
• Contributed 3 OpenCV modules: 3D multi-task learning , quantized deep learning and super resolution .	

专业能力

计算机语言	C/C++, Python, LaTeX, CUDA, Matlab, Scilab, shell, markdown
模式识别	Bayesian Inference, Tensor Algebra, Deep Learning, 3D Vision
语言	English (TOEFL: 92 & CET-6: 552), Chinese, Deutsch

其他活动

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	