



王一达

计算机科学博士 • 计算机视觉和机器学习

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教育背景

慕尼黑工业大学 **Germany**

计算机科学博士

北京邮电大学 **PRC**

电子与通信工程硕士

北京邮电大学 **PRC**

通信工程学士

出版物

- [1] **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
- [2] **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
- [3] **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
- [4] **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](#)
- [5] **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
- [6] **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
- [7] **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](#)
- [8] **Adversarial Semantic Scene Completion from a Single Depth Image**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB AND FEDERICO TOMBARI, 3DV²⁰¹⁸ [DEMO](#)
- [9] **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
- [10] **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
- [11] **Self-restraint Object Recognition by Model Based CNN Learning**
YIDA WANG AND WEIHONG DENG, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP)²⁰¹⁶
- [12] **Large-Scale 3D Shape Retrieval from ShapeNet Core55**
CO-AUTHORED, EUROGRAPHICS (EG)²⁰¹⁶

奖励基金

Fellows	2017-2021, MLH ^[1] , TUM ^[2] and Bleence ^[3] 基金	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, National Math, Chemistry and Physics Contest of Senior High 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 4×400 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

Facebook Reality Lab Research

RESEARCH INTERN

- Single-view semantic 3D eye reconstruction for eye tracking

Seattle, USA

Jun. 2021 - Oct. 2021

Microsoft Research

PRIZE WINNER

- Make multi-thread deep learning for CNTK, awarded as global 2nd prize in [Microsoft open source challenge](#).

Redmond, USA

Apr. 2016 - May 2016

OpenCV – sponsored by Google

SOFTWARE ENGINEER

- 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](#).

Beijing, PRC

Apr. 2015 - Sep. 2016

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

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

Munich, Germany

Oct. 2017 - Mar. 2018