



王一达

计算机科学博士 • 计算机视觉和机器学习

德国, 慕尼黑

☎ (+49) 178-127-9929 | ✉ yida.wang@tum.de | 🏠 wangyida.github.io | 📱 wangyida | 📧 yida-wang | 🔗
Yida Wang | 📧 wangyida123@outlook.com

教育背景

Technische Universität München *Germany*

Ph.D. in Computer Science

Beijing University of Posts and Telecommunications *PRC*

M.Sc.Eng. in Electronics and Communication Engineering - major GPA: 3.42

Beijing University of Posts and Telecommunications *PRC*

B.Sc. in Communication Engineering - major GPA: 3.58

出版物

- [1] **Learning Local Displacements for Point Cloud Completion**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, [CVPR](#) 2022
- [2] **Self-supervised Latent Space Optimization with Nebula Variational Coding**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, [T-PAMI](#) 2022
- [3] **SoftPool++: An Encoder-Decoder Network for Point Cloud Completion**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, [IJCV](#) 2022
- [4] **SoftPoolNet: Shape Descriptor for Point Cloud Completion and Classification**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, [ECCV](#) 2020 ORAL [DEMO](#)
- [5] **Structure-SLAM: Low-Drift Monocular SLAM in Indoor Environments**
YANYAN LI, NIKOLAS BRASCH, YIDA WANG, NASSIR NAVAB, FEDERICO TOMBARI, [IROS-RAL](#) 2020
- [6] **ForkNet: Multi-branch Volumetric Semantic Completion from a Single Depth Image**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB, FEDERICO TOMBARI, [ICCV](#) 2019
- [7] **Variational Object-aware 3D Hand Pose from a Single RGB Image**
YIDA WANG, YAFEI GAO, PIETRO FALCO, NASSIR NAVAB, FEDERICO TOMBARI, [ICRA-RAL](#) 2019 [DEMO](#)
- [8] **Adversarial Semantic Scene Completion from a Single Depth Image**
YIDA WANG, DAVID JOSEPH TAN, NASSIR NAVAB AND FEDERICO TOMBARI, [3DV](#) 2018 [DEMO](#)
- [9] **Generative Model with Coordinate Metric Learning for Object Recognition Based on 3D Models**
YIDA WANG AND WEIHONG DENG, [TIP](#) 2018
- [10] **ZigzagNet: Efficient Deep Learning for Real Object Recognition Based on 3D Models**
YIDA WANG, CAN CUI AND WEIHONG DENG, [ACCV](#) 2016
- [11] **Self-restraint Object Recognition by Model Based CNN Learning**
YIDA WANG AND WEIHONG DENG, [ICIP](#) 2016
- [12] **Large-Scale 3D Shape Retrieval from ShapeNet Core55**
CO-AUTHORED, [EG](#) 2016

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

荣誉奖项

| | | |
|-----------|--|-----------------|
| 2019 | Award , 国家优秀留学生奖学金 | Munich, Germany |
| 2017-2021 | Fellowships , [1] MLH, [2] TUM research and [3] Bleence research | Munich, Germany |
| 2017 | Award , 北京优秀硕士毕业生 | Beijing, PRC |
| 2016 | Award , 国家奖学金 | Beijing, PRC |
| 2016 | 1st prize , 北邮创新奖 | Beijing, PRC |
| 2016 | 2nd prize , 微软全球开源挑战赛 | Redmond, U.S.A |
| 2016 | Award , 1 st rank BUPT scholarship | Beijing, PRC |
| 2015 | Final , 天池大数据竞赛 | Hangzhou, PRC |
| 2015 | Award , 1 st rank BUPT scholarship | Beijing, PRC |
| 2014 | Award , 北京市优秀毕业生 | 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 | 金牌, 首都高校田径运动会 4×400 | Beijing, PRC |
| 2014 | 铜牌, 首都高校田径运动会 3000 steeplechase | Beijing, PRC |
| 2015 | 铜牌, 北京国际铁人三项 | Beijing, PRC |

工作经历

Facebook Reality Lab Research

Seattle, USA

RESEARCH INTERN

Jun. 2021 - Oct. 2021

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

微软研究院

Redmond, USA

PRIZE WINNER

Apr. 2016 - May 2016

- Multi-thread deep learning for CNTK, getting awarded as global 2nd prize in Microsoft Faculty Summit for open source challenge.

谷歌 & OpenCV

Beijing, PRC

SOFTWARE ENGINEER

Apr. 2015 - Sep. 2016

- Initial developer for tiny-dnn as deep learning backend for OpenCV, with use case e.g. [3D multi-task learning](#) and [tiny-dnn on iOS](#). Contributed 3 modules in OpenCV official library.

专业能力

| | |
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| 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