



# 王一达

博士 • 计算机科学/信息学

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## 教育经历

### Technische Universität München(慕尼黑工大)

计算机科学博士

德国慕尼黑

Jun. 2017 - July. 2021

北京邮电大学

智能系统和模式识别硕士

北京

Sep. 2014 - Mar. 2017

• 均分 85.38 (主 GPA: 3.42), 北京优秀硕士毕业生

北京邮电大学

通信工程学士

北京

Sep. 2010 - Jul. 2014

• 均分 89.50 (主 GPA: 3.58), 北京优秀本科毕业生

## 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

CO-AUTHOR

EG 2016 workshop on 3D

2016

## Tutorial on 3D object pose estimation & super resolution

YIDA WANG, MANUELE TAMBURRANO AND STEFANO FABRI

OpenCV 3 and 4

[link](#) 2015, 2019

## Face Recognition Using Local PCA Filters

YIDA WANG, SHASHA LI, JIANI HU AND WEIHONG DENG

CCBR 2015

2015

## 奖项-

2020	<b>Award</b> , MLH Fellowship	Munich, Germany
2020	<b>Award</b> , 国家优秀非资助留学生奖学金	Munich, Germany
2017 - 2019	<b>Award</b> , TUM-CAMPAR 博士全奖	Munich, Germany
2018	<b>Award</b> , Bleence Research Fellowship	Munich, Germany
2016	<b>Award</b> , 国家奖学金	Beijing, PRC
2016	一等奖, 北邮创新奖	Beijing, PRC
2016	二等奖, 微软开源挑战赛	Redmond, U.S.A
2016	<b>Award</b> , 一等奖学金	Beijing, PRC
2015	<b>Award</b> , 北京市优秀硕士毕业生	Beijing, PRC
2015	<b>Final</b> , 天池大数据竞赛	Hangzhou, PRC
2015	<b>Award</b> , 一等奖学金	Beijing, PRC
2014	<b>Award</b> , 北京市优秀本科毕业生	Beijing, PRC
2013	一等奖, SCILAB Scientific open source Contest	Hefei, PRC
2009	国家、省级奖项, 全国高中生数学、物理、化学竞赛	大连, PRC
2014, 2016	金、铜牌, 首度高校田径运动会 400, 400 栏, 3000	北京, PRC
2015	铜牌, 北京国际铁人三项赛	北京, PRC

## 经历-

### Facebook

RESEARCH INTERN

Seattle, USA

Jun. 2021 - Nov. 2021

- 3D 人眼重建

### Google (OpenCV)

Beijing, PRC

SOFTWARE ENGINEER

Apr. - Sep. 2015, 2016, 2019

- Google 资助开源软件开发项目, 开发和维护tiny-dnn和 OpenCV. Online demos: [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

講師

Oct. 2017 - Mar. 2018

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

### 信息通信工程学院, BUPT

Beijing, PRC

班长

Sep. 2014 - Mar. 2017