

陈狄



1994 年 8 月 10 日 · 男



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🌐 <https://di-chen.me> ·

🐙 github.com/DeanChan

🎓 教育经历

南京理工大学，博士

2017 年 9 月 - 2021 年 6 月

计算机科学与工程学院，模式识别与智能系统

导师：杨健 教授，张姗姗 教授

德国马克斯普朗克计算机科学研究所，访学

2019 年 3 月 - 2020 年 5 月

D2: 计算机视觉与机器学习

导师：Prof. Dr. Bernt Schiele

南京理工大学，学士

2012 年 9 月 - 2016 年 6 月

教育实验学院（现钱学森学院），电气信息工程

📖 论文列表

- [1] **Di Chen**, Shanshan Zhang, Jian Yang and Bernt Schiele. Norm-Aware Embedding for Efficient Person Search. In *CVPR*, 2020.
- [2] **Di Chen**, Shanshan Zhang, Wanli Ouyang, Jian Yang and Bernt Schiele. Hierarchical Online Instance Matching for Person Search. In *AAAI*, 2020, Oral.
- [3] **Di Chen**, Shanshan Zhang, Wanli Ouyang, Jian Yang and Ying Tai. Person Search via a Mask-Guided Two-Stream CNN Model. In *ECCV*, 2018.
- [4] **Di Chen**, Shanshan Zhang, Wanli Ouyang, Jian Yang and Ying Tai. Person Search by Separated Modeling and a Mask-Guided Two-Stream CNN Model. *TIP*, 2020.
- [5] **Di Chen**, Chunyan Xu, Jian Yang, Jianjun Qian, Yuhui Zheng and Linlin Shen. Joint Bayesian Guided Metric Learning for End-to-End Face Verification. *Neurocomputing*, 2018.
- [6] **Di Chen**, Shanshan Zhang, Andreas Döring, Jian Yang, Jürgen Gall and Bernt Schiele, Keypoint Message Passing for Video-based Person Re-Identification, *CVPR*, 2021. (In Peer Review.)
- [7] Shanshan Zhang, **Di Chen**, Jian Yang and Bernt Schiele. Guided Attention in CNNs for Occluded Pedestrian Detection and Re-Identification. *IJCV*, 2018. (In Peer Review.)
- [8] **Di Chen**, Shanshan Zhang, Jian Yang and Bernt Schiele. Norm-Aware Embedding for Efficient Person Search and Tracking. *IJCV*, 2020. (In Peer Review.)

★ 编程能力

编程语言：Python, L^AT_EX, MATLAB, Bash, C, HTML

框架工具：Pytorch, TensorFlow, Caffe, NumPy, Scikit-Learn, OpenCV

GITHUB: [CompactBilinearPooling-Pytorch](#) (141★), [NAE4PS](#) (62★), [H0IM-PyTorch](#) (20★)

其他：Linux 服务器运维, Docker, Git, Vim

获奖情况

| | |
|---|-----------------|
| 博士研究生国家奖学金 | 2020 年 10 月 |
| 国家自然科学基金委中国智能车未来挑战赛 车辆检测 <u>第一名</u> ，车道偏离检测 <u>第二名</u> | 2018 年 11 月 |
| 南京理工大学博士生优秀奖学金 一等奖 | 2017 年 - 2020 年 |
| “创新杯”大学生课外学术科技作品竞赛 二等奖，基于核函数 $2DPCA$ 的图像搜索引擎 | 2016 年 5 月 |
| 南京理工大学本科生优秀奖学金 一等奖 | 2013 年 - 2015 年 |
| “21 世纪·可口可乐杯”全国英语演讲比赛 南理工赛区一等奖 | 2012 年 12 月 |

审稿服务

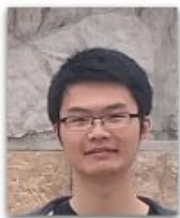
- Conference on Computer Vision and Pattern Recognition (CVPR) 2020, 2021
- International Joint Conference on Artificial Intelligence (IJCAI) 2020
- International Journal of Computer Vision (IJCV)
- Pattern Recognition (PR)
- Neural Processing Letters

个人简介

你好哇！我是陈狄。我是一名毕业于南京理工大学的博士研究生，师从[杨健](#)老师和[张姗姗](#)老师。在 2019 年 3 月至 2020 年 5 月期间，我在德国马克思普朗克计算机科学研究所学，指导老师是[Prof. Dr. Bernt Schiele](#)。

我的研究方向主要为「行人搜索」，即同时考虑了「行人检测」与「行人重识别」的联合任务。此外，我也有「多目标跟踪」、「人脸识别」和「人体姿态估计」方向的研究经验。这些任务中通常也涉及到「半监督学习」,「Zero-shot Learning」,「多任务学习」等基础机器学习方向。

我能熟练掌握计算机视觉任务中的各种数学和编程工具，能独立完成文献调查、制订方案、实验分析、论文撰写和演示分享这一系列工作。平时积极参与多个小组的讨论和分享会，熟练使用中英双语高效沟通，协同工作。擅长快速学习，可以适应高强度的工作。



Di Chen

🎂 10 Aug. 1994 • ♂ Male

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🎓 EDUCATION

NANJING UNIVERSITY OF SCIENCE AND TECHNOLOGY

SEPTEMBER 2017 - PRESENT

College of Computer Science and Engineering

Pattern Recognition and Intelligent System Ph.D.

Supervisor: [Prof. Jian Yang](#) and [Prof. Shanshan Zhang](#)

NANJING UNIVERSITY OF SCIENCE AND TECHNOLOGY

SEPTEMBER 2012 - JUNE 2016

College of Elite Education

Electronic Engineering and Information Science B.S.

📖 PUBLICATIONS

- [1] **Di Chen**, Shanshan Zhang, Jian Yang and Bernt Schiele. Norm-Aware Embedding for Efficient Person Search. In *CVPR*, 2020.
- [2] **Di Chen**, Shanshan Zhang, Wanli Ouyang, Jian Yang and Bernt Schiele. Hierarchical Online Instance Matching for Person Search. In *AAAI*, 2020, Oral.
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- [4] **Di Chen**, Shanshan Zhang, Wanli Ouyang, Jian Yang and Ying Tai. Person Search by Separated Modeling and a Mask-Guided Two-Stream CNN Model. *TIP*, 2020.
- [5] **Di Chen**, Chunyan Xu, Jian Yang, Jianjun Qian, Yuhui Zheng and Linlin Shen. Joint Bayesian Guided Metric Learning for End-to-End Face Verification. *Neurocomputing*, 2018.
- [6] **Di Chen**, Shanshan Zhang, Andreas Döring, Jian Yang, Jürgen Gall and Bernt Schiele, Keypoint Message Passing for Video-based Person Re-Identification, *CVPR*, 2021. (In Peer Review.)
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- [8] **Di Chen**, Shanshan Zhang, Jian Yang and Bernt Schiele. Norm-Aware Embedding for Efficient Person Search and Tracking. *IJCV*, 2020. (In Peer Review.)

👜 EXPERIENCES

MAX-PLANCK-INSTITUT FÜR INFORMATIK

APRIL 2019 - PRESENT

Computer Vision Visiting Student with [Prof. Dr. Bernt Schiele](#)

- Work on efficient person search with end-to-end models.
- Work on multiple object tracking by extending person search models.
- Work on pose estimation in re-ID scenarios.

✉ SERVICES

- Reviewer of IEEE Conference on Computer Vision and Pattern Recognition (CVPR)
- Reviewer of International Conference on Computer Vision (ICCV)
- Reviewer of International Joint Conference on Artificial Intelligence (IJCAI)

- Reviewer of International Journal of Computer Vision (IJCV)
- Reviewer of Pattern Recognition

HONORS

NSFC NATIONAL AUTONOMOUS DRIVING CHALLENGE NOVEMBER 2018
First Prize on Car Detection and Second Prize on Off-lane Detection

“INNOVATION CUP” EXTRACURRICULAR TECHNOLOGY ARTWORKS COMPETITION MAY 2016
Second Prize with my work [PixelsOverFlow](#).

SCHOLARSHIP OF NUST FOR EXCELLENT STUDENT SEPTEMBER 2013 - 2020
A college scholarship for students with top GPA, contest awards and academic papers.

“21ST CENTURY COCA-COLA CUP” NATIONAL ENGLISH SPEAKING COMPETITION DECEMBER 2012
First Prize of NUST subsection.

★ SKILLS

LANGUAGES: Python, L^AT_EX, MATLAB, Bash, C, HTML

LIBRARIES: Pytorch, TensorFlow, Caffe, NumPy, Scikit-Learn, OpenCV

GITHUB: [CompactBilinearPooling-Pytorch](#) (141★), [NAE4PS](#) (62★), [H0IM-PyTorch](#) (20★)

TECHNOLOGIES: Linux Server Operation and Maintenance, Docker, Git, Vim

BRIEFLY

Hey there! I'm Di Chen, a Ph.D. candidate in Computer Science at Nanjing University of Science and Technology, supervised by [Prof. Jian Yang](#) and [Prof. Shanshan Zhang](#). Currently I'm visiting Max-Planck-Institut für Informatik, advised by [Prof. Dr. Bernt Schiele](#).

My research interest lies in computer vision, including person search (a hybrid task with pedestrian detection and person re-identification), multiple object tracking and face recognition.

My other hobbies include a variety of things such as researching about Linux, Physics and Astronomy. I also practice Archery and Drumming.