

# WEIJIAN DENG

## INFORMATION

---

- Phone: + 61-(0)421415063
- E-mail: [weijian.deng@anu.edu.au](mailto:weijian.deng@anu.edu.au)
- Homepage: <http://weijiandeng.xyz/> and [Google Scholar](#)
- Research Interests: Domain Adaptation, Model Generalization, Self-Supervised Learning
- Recent Focus: Understanding Model Decisions under Dynamic Testing Environments

## EDUCATION

---

- **Australian National University** 07/2019 – 05/2023 (expected)
  - Third-year PhD student in the College of Engineering and Computer Science
- **University of Chinese Academy of Sciences** 09/2016 – 06/2019
  - Master of Science in Computer Science
  - Overall GPA: 85.6/100
- **Beijing Jiaotong University** 09/2012 – 06/2016
  - Bachelor of Engineering
  - Overall GPA: 92.3/100 (Ranking: 1/65)

## JOURNAL PUBLICATIONS

---

- [1] AutoEval: Are Labels Always Necessary for Classifier Accuracy Evaluation?  
**Weijian Deng** and Liang Zheng  
*IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022*
- [2] Fine-grained Classification via Categorical Memory Networks  
**Weijian Deng**, Joshua Marsh, Stephen Gould, and Liang Zheng  
*IEEE Transactions on Image Processing, 2022*
- [3] Rethinking Triplet Loss for Domain Adaptation  
**Weijian Deng**, Liang Zheng, Yifan Sun, and Jianbin Jiao  
*IEEE Transactions on Circuits and Systems for Video Technology, 2020*

## CONFERENCE PUBLICATIONS

---

- [4] What Does Rotation Prediction Tell Us about Classifier Accuracy under Varying Testing Environments?  
**Weijian Deng**, Stephen Gould, and Liang Zheng  
*International Conference on Machine Learning (ICML), 2021*
- [5] Are Labels Always Necessary for Classifier Accuracy Evaluation?  
**Weijian Deng** and Liang Zheng  
*IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2021*
- [6] Image-Image Domain Adaptation with Preserved Self-Similarity and Domain-Dissimilarity for Person Re-identification  
**Weijian Deng**, Liang Zheng, Qixiang Ye, Guoliang Kang, Yi Yang, and Jianbin Jiao  
*IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2018*

## PRE-PRINTS

---

- [7] Similarity-preserving image-image domain adaptation for person re-identification  
**Weijian Deng**, Liang Zheng, Qixiang Ye, Yi Yang, and Jianbin Jiao  
*arXiv preprint arXiv:1811.10551*

## CO-AUTHOR PUBLICATIONS

---

- [8] SVDNet for Pedestrian Retrieval  
Yifan Sun, Liang Zheng, **Weijian Deng**, Shengjin Wang  
IEEE/CVF International Conference on Computer Vision (ICCV), 2017
- [9] Ranking Models in Unlabeled New Environments  
Xiaoxiao Sun, Yunzhong Hou, **Weijian Deng**, Hongdong Li, Liang Zheng  
IEEE/CVF International Conference on Computer Vision (ICCV), 2021

## PROFESSIONAL ACTIVITY

---

- **Co-organizer:** CVPR'22 Tutorial on Evaluating Models Beyond the Textbook: Out-of-distribution and Without Labels (<https://sites.google.com/view/evalmodel/home>)
- **Co-organizer:** ECCV'20 workshop on Visual Domain Adaptation Challenge (<http://ai.bu.edu/visda-2020>)

## EXPERIENCE

---

- **NEC Laboratories America, INC.** 06/2020 – 10/2020
  - Research Intern (Remote) on Multi-task Learning, Hosted by Dr. Yu Xiang and Dr. Yumin Suh
- **Singapore University of Technology and Design** 09/2012 – 06/2016
  - Research Assistant on Domain Adaptation, Hosted by Dr. Liang Zheng

## HONORS AND REWARDS

---

- ECCV 2020 Outstanding Reviewer, 2020
- China National Scholarship, 2014, 2015 and 2018
- Australian Government Research Training Program (AGRTP) Scholarship, 2019-2023
- The Third Place in Vehicle Re-identification track of CVPR 2019 AI-City Challenge, 2019

## PROFESSIONAL SERVICE

---

- **Conference Reviewer:** NeurIPS'22; ICML'22; ICLR'22; ICCV'21; CVPR'21-22; ECCV'20; IJCAI'20
- **Journal Reviewer:** IEEE-TPAMI; IEEE-TIP; PR