

# JINDONG WANG

Tower 2, No. 5 Danling Street, Handian District, Beijing, P.R. China  
jindongwang@outlook.com · <http://jd92.wang> · [Google Scholar](#) · [Github](#)

## WORK EXPERIENCE

---

### Microsoft Research Asia

*Researcher*

July 2019 – Present

*Manager: Tie-Yan Liu*

- I'm at the machine learning group of MSRA, where I use transfer learning to help build models that can handle the data shortage and different distributions in certain applications such as NLP and Fintech. At the same time, I will continue to develop algorithms in transfer learning, meta learning, zero-shot learning, and so on.

## RESEARCH EXPERIENCE

---

### Microsoft Research Asia

*Research intern*

June 2019 – July 2019

*Supervisor: Tao Qin*

- Transfer learning for low-resource neural machine translation and multi-speaker text-to-speech.

### Hong Kong University of Science and Technology

*Research intern*

April 2018 – August 2018

*Supervisor: Qiang Yang*

- Transfer learning for computer vision tasks such as identity recognition and fake photo recognition.

## EDUCATION

---

### Institute of Computing Technology, Chinese Academy of Sciences

Ph.D., Computer science

Thesis: Adaptive transfer learning in ubiquitous computing.

2014.09 - 2019.06

*Supervisor: Yiqiang Chen*

### North China University of Technology

B. Eng. (Honor), Computer science

2010.09 - 2014.06

Rank: 1/130

## HONORS AND AWARDS

---

University of Chinese Academy of Sciences President award 2019

Special scholarship of Institute of Computing Technology, CAS 2019

ICCSE 2018 best paper award 2018

ICML / AAAI / ACM MM 2018 student travel award 2018

National scholarship for Ph.D students (top 3%) 2017

Second prize of Bwinner innovation scholarship 2017

Merit student of University of Chinese Academy of Sciences 2015-2018

Merit student of Beijing City 2014

National scholarship for bachelor student 2011-2013

## ACADEMIC ACTIVITIES

---

Conference organizers

Publicity co-chair, *International Joint Conference on Artificial Intelligence (IJCAI) 2019*

## Journal reviewers

*TPAMI, TBD, CSUR, IMWUT, Knowledge-Based Systems, Neurocomputing, Pervasive and Mobile Computing, Journal of Experimental & Theoretical Artificial Intelligence, IEEE Access, Journal of Electronic Images, Engineering Applications of Artificial Intelligence, Assembly Automation*

## Conference reviewers

*CHI 2019, Ubicomp 2019, EUSIPCO 2019*

## PUBLICATIONS

---

I wrote the **first transfer learning tutorial**: <http://tutorial.transferlearning.xyz>

**Selected publications:** (More can be found at <http://jd92.wang>)

1. Transfer Learning with Dynamic Adversarial Adaptation Network. *ICDM 2019* (**Long paper, acceptance rate: 9.08%**)  
Chaohui Yu\*, **Jindong Wang\***, Yiqiang Chen, Meiyu Huang. (\*=equal contribution)
2. Easy Transfer Learning with Non-parametric Learning. *ICME 2019*  
**Jindong Wang**, Yiqiang Chen, Han Yu, Meiyu Huang, Qiang Yang.
3. Accelerating Deep Domain Adaptation with Transfer Channel Pruning. *IJCNN 2019*  
Chaohui Yu, **Jindong Wang**, Yiqiang Chen, Zijing Wu.
4. Cross-position Activity Recognition with Stratified Transfer Learning. *Pervasive Mob. Comput.*  
Yiqiang Chen, **Jindong Wang**, Meiyu Huang, Han Yu.
5. Visual Domain Adaptation with Manifold Embedded Distribution Alignment. *ACMMM 2018* (**Oral, acceptance rate: 8.5%, Top 10 accepted papers**).  
**Jindong Wang**, Wenjie Feng, Yiqiang Chen, Han Yu, Meiyu Huang, Philip S. Yu.
6. Balanced Distribution Adaptation for Transfer Learning. *ICDM 2017* **acceptance rate: 19.9%**.  
**Jindong Wang**, Yiqiang Chen, Shuji Hao, Wenjie Feng, Zhiqi Shen.
7. Stratified Transfer Learning for Cross-domain Activity Recognition. *PerCom 2018* **acceptance rate: 14%**.  
**Jindong Wang**, Yiqiang Chen, Lisha Hu, Xiaohui Peng, Philip S. Yu.
8. Deep Transfer Learning for Cross-domain Activity Recognition. *ICCSE 2018* (**Best Paper**)  
**Jindong Wang**, Vincent Zheng, Yiqiang Chen, Meiyu Huang.
9. Deep Learning for Sensor-based Activity Recognition: A Survey. *Pattern Recognition Letters*.  
**Jindong Wang**, Yiqiang Chen, Shuji Hao, Lisha Hu.
10. OCEAN: A new opportunistic computing model for wearable activity recognition. *UbiComp 2016*.  
Yiqiang Chen, Yang Gu, Xinlong Jiang, **Jindong Wang**.

## PROJECTS

---

- I'm leading the most comprehensive **transfer learning repo on Github**: Transfer Learning
- Other popular repos: Machine Learning, Activity Recognition
- Github: <http://www.github.com/jindongwang>

## TALKS

---

1. Transfer learning: challenges and methods. *Shandong University*.

2018.10

2. Transfer learning methods. *Shenzhen U., Harbin Institute of Technology (Shenzhen)*. 2018.07
3. Domain adaptation in transfer learning. *Extremevision*. 2017.12
4. Recent advance of transfer learning. *Leifeng.com*. 2017.11
5. On Machine Learning (Chinese). *AI Salon at Shanghai Jiao Tong University*. 2017.09
6. Feature engineering in machine learning. *Zhihu Live course*. 1,000+ attendees. [Link] 2017.03
7. Machine learning starter. *Zhihu Live course (Zhihu front page)*. 1,500+ attendees. [Link] 2016.12

## SKILLS

---

- AI / data science: Python, Matlab, sklearn, Pytorch, Tensorflow.
- Development: C, C++, Java, Objective-C, C++, HTML, LaTeX.
- Platform: PC, Android, iOS, Windows Phone, Spring MVC.

## MISCELLANEOUS

---

- Teaching assistant. *Intelligent Pervasive Computing class at UCAS (251M6006H)*. 2017-2019
- CEO (Chief Experience Officer). *Ji Qi Zhi Xin*. 2018-2019

## PERSONAL TRAITS

---

- I lead a machine learning group to share ideas with 500+ students/employees from 120+ institutes.
- I led a software group called *Pivot Studio* at university, where we successfully made several applications and uploaded to Microsoft store.
- My English is quite good, enough to write, communicate, and give lectures
- I like to share experience and lessons on social networks.
- Except for hiking and badminton, I do not like sports. I read every night. History, novel, economics, philosophy...
- I write a lot. Poetry, sketch, drama...I like watching movies with good stories and devotions.