Jindong Wang [1]

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Popular machine learning researchers at Zhihu.com | *Zhihu: 王晋东不在家* | Github: *jindongwang*
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🎓 Education

Hong Kong University of Science and Technology, Hong Kong   2018.04 – 2018.08
Visiting Research Intern Mentor: Prof. Qiang Yang

Institute of Computing Technology, Chinese Academy of Sciences, Beijing, China 2014 – Present
Ph.D student in Computer Science and Applications, expected June 2019

North China University of Technology, Beijing, China   2010 – 2014
B.S. in Computere Science and Technology. Rating: *1 / 130*

🚀 Research

Artificial intelligence

- Transfer learning and related applications
- Machine learning, deep learning, data mining, and activity recognition

Student member of: ACM / IEEE / AAAI / CCF.
Reviewer: IEEE Trans. Pattern Analysis and Machine Intelligence (PAMI), Neurocomputing

📖 Publications

The first transfer learning tutorial: tutorial.transferlearning.xyz
Selected publications:

1. **Balanced Distribution Adaptation for Transfer Learning.** *ICDM 2017.*
   J. Wang, Y. Chen, S. Hao, W. Feng, Z. Shen.
2. **Stratified Transfer Learning for Cross-domain Activity Recognition.** *PerCom 2018.*
   J. Wang, Y. Chen, L. Hu, X. Peng, Ph. Yu.
3. **Deep Learning for Sensor-based Activity Recognition: A Survey.** *Pattern Recognition Letters.*
   J. Wang, Y. Chen, S. Hao, L. Hu.
4. **OCEAN: A new opportunistic computing model for wearable activity recognition.** *UbiComp 2016.*
   Y. Chen, Y. Gu, X. Jiang, **J. Wang**.
5. **OKRELM: online kernelized and regularized extreme learning machine for wearable-based activity recognition.** *International Journal of Machine Learning and Cybernetics. 2017.*
   L. Hu, Y. Chen, **J. Wang**, C. Hu, X. Jiang.

Patents (Chinese)：

1. 用于大规模数据标定的迁移学习方法及系统**.** CN106599922A.
   陈益强, **王晋东**, 沈建飞, 胡春雨, 王记伟, 张宇欣, 忽丽莎. (除导师外一作)
2. 一种基于流形迁移学习的数据标定方法和系统**.** 国家发明专利 201810305890.5.
   陈益强, **王晋东**, 冯文杰, 忽丽莎. (除导师外一作)
3. 人–机器人运动数据映射的方法及系统**.** CN106600000A.
   陈益强, **王晋东**, 张宇欣, 胡春雨, 忽丽莎, 沈建飞. (除导师外一作)
4. 一种交通模式行为识别方法及相应的识别模型构建方法**.** CN105447504A.
   陈益强, 忽丽莎, 谷洋, **王晋东**, 王双全.
5. 运动行为和认知能力的关联分析方法及系统. CN107016233A.
   陈益强, 胡春雨, 忽丽莎, 谢涛, **王晋东**.

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[1] Updated on Apr. 21, 2018.

👥 Projects

National Key R&D Program of China (#2016YFB1001401)   2016.07 – Present

Project manager and core member of ICT   Project in charge: Institute of Software, CAS

- Lead the algorithm research and project development at ICT
- Develop learning-to-learn algorithms to increase the accuracy of activity recognition

National Key R&D Program of China (#2016YFB1001201)   2016.07 – Present

Project manager and core member of ICT   Project in Charge: Tsinghua University

- Lead the algorithm research and project development at ICT
- Propose related transfer learning algorithms and apply to cognitive computing

Research and Equipment Plan of Chinese Academy of Sciences (#YZ201527) 2015.07 – 2017.12

Project manager and core member   Project in charge: ICT

- Lead the algorithm research and project development at ICT
- Propose related transfer learning techniques

Natural Science Foundation of China (NSFC #61572471)   2015.07 – Present

Core member   Project in charge：ICT

- Research and propose related transfer learning algorithms

🎧 Talk

1. *Transfer learning with domain adaptation.* AI global and Extremart.   2017.12
2. *Transfer learning with data distribution adaptation.* Chinese Angricultural University. 2017.11
3. *Transfer learning: development and future.* AI study at Leifeng web.[*News link*]   2017.11
4. *Machine learning and transfer learning.* Shanghai Jiao Tong University.   2017.09
5. *Feature engineering in machine learning.* Zhihu Live course. 1,000+ attendees.[*Course link*] 2017.03
6. *Machine learning starter.* Zhihu Live course (Zhihu front page). 1,500+ attendees.[*Course link*] 2016.12

🏆 Honors and Awards

AAAI-18 student scholarship	2017.12
National scholarship for Ph.D student	2017.10
Second prize of Bewinner innovation scholarship	2017.01
First prize of Study by University of Chinese Academy of Sciences	2016.09
Merit student of University of Chinese Academy of Sciences	2015, 2017
Merit student of Beijing City	2013
National scholarship for B.S student	2011, 2012, 2013

⚙ Programming Skills

- Programming language: Python, Matlab, Latex, Java, C#, C++ | Framework: Scikit-learn, Pytorch, Tensorflow, Android, iOS

ℹ Miscellaneous

- I lead a machine learning group where 500+ students/employees from 120+ globally universities/companies are sharing machine learning experiences
- I lead several popular machine learning and transfer learning resource repositories at Github: *Machine learning*, *Transfer learning*, *Activity recognition*
- 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