

# Peter Jiayun Wang

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CONTACT INFORMATION      Email : [peterwg@berkeley.edu](mailto:peterwg@berkeley.edu) | [Google scholar](#)  
Homepage : [pwang.pw](http://pwang.pw)

EDUCATION      **University of California, Berkeley**      Aug. 2018 - Present  
Ph.D. in Vision. Advisor : Stella X. Yu  
Research in Computer Vision, Machine Learning, and Human Vision

**Xi'an Jiaotong University**      Aug. 2014 - June 2018  
B.E. in Electronic Engineering  
GPA : 3.85/4.0

- PUBLICATIONS
- [1] [Point to Set Similarity Based Deep Feature Learning for Person Re-identification](#)  
Sanping Zhou, Jinjun Wang, **Jiayun Wang**, Yihong Gong, Nanning Zheng  
*Computer Vision and Pattern Recognition (CVPR)*, 2017
  - [2] [Deep Ranking Model by Large Adaptive Margin Learning for Person Re-identification](#)  
**Jiayun Wang**, Sanping Zhou, Jinjun Wang, Qiqi Hou  
*Pattern Recognition (PR)*, 2017
  - [3] [Joint Embedding and Classification for SAR Target Recognition](#)  
**Jiayun Wang**, Patrick Virtue, Stella X. Yu  
*IEEE Transactions on Geoscience and Remote Sensing*, 2018, under review.
  - [4] [A Comparison of Visual Features used by Humans and Machines to Classify Wildlife](#)  
Zhongqi Miao, Kaitlyn M Gaynor, **Jiayun Wang**, Ziwei Liu, Oliver Muellerklein, Mohammad S Norouzzadeh, Alex McInturff, Rauri C K Bowie, Ran Nathon, Stella X. Yu, Wayne M. Getz.  
*BiorXiv*, 2018.
  - [5] [A Comparison of Visual Features used by Humans and Machines to Classify Wildlife](#)  
**Jiayun Wang**, Likang Wang, Jian Zu  
*International Conference on Machine Vision (ICMV)*, 2016.

WORK/RESEARCH EXPERIENCE      **UC Berkeley/ International Computer Science Institute**      Berkeley, CA  
*Graduate Student Researcher*      Aug. 2018 - Present

- Researching efficient 2D-3D joint detection for autonomous driving
- Proposed deep learning based eyelid disease diagnosis and outperformed human clinician by 8%

**Sensetime Group Limited**      Shenzhen, China  
*Research Intern*      Feb. 2018 - Aug. 2018

- Developed a 3D portrait reconstruction and synthesis product, and featured in Vivo's 2018 latest smart phone model
- Developed efficient classification methods for long-tailed fine-grained data and ranked 6th in CVPR 2018 Fine-grained Visual Categorization Competition
- Proposed novel deep networks for efficient point cloud data processing and improved 4% performance

TEACHING & SERVICES      **Graduate Student Instructor**      Fall 2018  
Visual Perception at UC Berkeley.

**Reviewer** : CVPR  
**Student Member** : IEEE, CVF

AWARDS

Outstanding Graduate Award	2018
Seagate Fellowship	2018
Top 10 Undergraduate of Xi'an Jiaotong University	2017
National Scholarship	2015 - 2017
Meritorious Winner in 2016 Interdisciplinary Contest in Modeling (top 8%)	2016
Third Prize for National College Student Information Security Contest	2016

TALKS	[1] Talk at UC Berkeley Vision Science Retreat “Learning Automatic OSD Diagnosis from Clinicians”	Oct. 2017
	[2] Talk at International Computer Science Institute “Deep Metric Learning for Practical Person Re-Identification”	Feb. 2017
SKILLS	<i>Programming languages</i> : Python, C++, C, MATLAB, Java <i>Deep learning/Robotics framework</i> : Pytorch, Tensorflow, Caffe, Torch, ROS <i>Languages</i> : English, Chinese.	
ADDITIONAL INFORMATION	<i>Certifications</i> : National Computer Rank Examination, Excellent in C Programming <i>Volunteer experience</i> : Volunteer English teacher at local elementary school in Xi’an, China (4 months) <i>Interests</i> : Hiking, badminton, swimming, tennis and photography	