

Junting Pan

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Education

- 2019–Now **Ph.D., Multimedia Lab (MMLab)**, *Chinese University of Hong Kong (CUHK)*, HongKong, China.
Ph.D. student advised by Prof. Xiaogang Wang and Prof. Hongsheng Li.
- 2015–2017 **MS, Master in Telecommunication Engineering**, *BarcelonaTech School of Telecommunications Engineering (ETSETB)*, Barcelona, Spain.
- 2011–2015 **BS, Engineer's degree in Telecommunications Engineering**, *BarcelonaTech School of Telecommunications Engineering (ETSETB)*, Barcelona, Spain.
- 2009–2011 **Secondary School Graduate–High School**, Barcelona, Spain.
With honors

Publications

- 2020 **J. Pan**, S. Chen, Z. Shou, J. Shao and H. Li, Actor-Context-Actor Relation Network for Spatio-Temporal Action Localization. *preprint, 2019. (1st place solution of ActivityNet Challenge 2020 – AVA-Kinetics Task)*
- 2019 **J. Pan**, C. Wang, X. Jia, J. Shao, L. Sheng, J. Yan and XG. Wang, Video generation from Single Semantic Label Map. *CVPR, 2019.*
- 2018 **J. Pan***, Z. Shou*, J. Chan, K. Miyazawa, H. Mansour, A. Vetro, X. Giro-i-Nieto, SF. Chang. Online Detection of Action Start in Untrimmed, Streaming Video. *European Conference on Computer Vision (ECCV), 2018. (* indicates equal contribution.)*
- 2017 **J. Pan**, C. Canton, K. McGuinness, NE. O'Connor, J. Torres, E. Sayrol, X. Giro-i-Nieto. SaGAN: Visual Saliency Prediction with Generative Adversarial Networks. *CVPR Scene Understanding Workshop (CVPR SUNw), 2017 (Spotlight Presentation)*
- 2016 **J. Pan***, K. McGuinness*, NE. O'Connor, E. Sayrol, X. Giro-i-Nieto. Shallow and Deep Convolutional Networks for Saliency Prediction. *Proceedings of THE IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2016 (* indicates equal contribution.)*
- 2015 **J. Pan**, X. Giro-i-Nieto. End-to-end convolutional network for saliency prediction. *CVPR Large Scale scene Understanding Workshop (LSUN)*

Awards

- 2018 1st Place in AVA-Kinetics Crossover task of ActivityNet Challenge 2020.
- 2018 1st Place in Trimmed Activity Recognition task of ActivityNet Challenge 2020.
- 2018 Outstanding reserach intern award (Sensetime).
- 2015 1st Place in Saliency Prediction task of CVPR 2015 LSUN Challenge.
- 2015 Outstanding academic achievement recognition (6.37%)
- 2013 2nd Better Academic Record during the 2nd year of ICT degrees (2/361)
- 2012 3rd Better Academic Record during the 1st year of ICT degrees (3/361)

Research Experience

- February 2018– **Research Intern**, *Sensetime*, Beijing, China.
- Working on scene understanding and visual recognition tasks.
- December 2019 - Conducting research on video generation and video prediction.
- Implementing internal SDK for frame selection.
- March 2017– **Visiting Scholar**, *DVMM Lab at Columbia University*, New York, NY.
December 2017 - Work on Video Modelling and Prediction Task.
- Propose novel methods for Online Action Detection that is to detect action in a timely manner and to recognize its action category.
- 2015– **Research Assistant**, *Image Processing Group, Univesitat Politecnica de Catalunya*, Barcelona, Spain.
February 2017 - Research on saliency prediction and generative models under supervision of Professor Xavier Giro-i-Nieto, Elisa Sayrol, Cristian Canton (Facebook, Seattle, WA) and Kevin McGuinness (Insight Centre DCU, Dublin, Ireland)
- July–October 2015 **Junior Computer Vision Researcher**, *WIDE EYES Technology*, Barcelona, Spain.
- Participated at the early stage of the research and design of the visual search product with focus on semantic segmentation task.
- Got acquainted with the use of caffe deep learning framework many state-of-the-art model in this area.
- July–August 2014 **Research Assitant**, *Department of Signal Theory, Univesitat Politecnica de Catalunya*, Barcelona, Spain.
- Carried out research around estimation of the crosstalk between multicore optical fiber with different configurations.

Working Experience

- May 2016– **Software Engineer Intern**, *i2CAT Foundation*, Barcelona, Spain.
February 2017 - Involve in a CHARISMA European 5GPP Project.
- Participate the design and deployment of an RESTful API for the management of distributed system.
- September 2014–June 2015 **Software Engineer Intern**, *Herta Security*, Barcelona, Spain.
- Worked closely with other computer vision researchers.
- Implementing applications and infrastructure in the field of speaker and face recognition.
- Acquired strong background in audio signal processing, computer vision

Teaching Experience

- July 2016 **Teaching Assistant at Deep Learning for Computer Vision Summer Seminar**, *BarcelonaTech School of Telecommunications Engineering (ETSETB)*, Barcelona, Spain.
Instructors Xavier Giro-i-Nieto, Elisa Sayrol, Jordi Torres, Kevin McGuinness, Amaia Salvador, Eva Mohedano
- March–June 2016 **Teaching Assistant at Introduction to Digital Communication**, *BarcelonaTech School of Telecommunications Engineering (ETSETB)*, Barcelona, Spain.
Instructor Margarita Cabrera

Professional Service

Reviewer

- ACM International Conference on Multimedia (ACM MM 2018)
- Computer Vision and Pattern Recognition (CVPR 2019,2020)
- International Conference on Computer Vision (ICCV 2019)
- European Conference on Computer Vision (ICCV 2020)
- International Conference on Internet Multimedia Computing and Service
- Computer Vision and Image Understanding (CVIU)
- International Journal of Computer Vision (IJCV)

Computer skills

Libries Pytorch, tensorflow, Theano, Caffe, Keras, OpenCV

Programming Languages MATLAB, PYTHON, JAVA, C, L^AT_EX, C#

Languages

Chinese **Native Speaker**

Spanish **Full professional proficiency**

Catalan **Full professional proficiency**

English **Full professional proficiency**