

Education

- 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

- 2018 **J. Pan**, CY. Wang, X. Jia, J. Shao, L. Sheng, J. Yan and XG. Wang, Video generation from Single Semantic Label Map. *submitted to CVPR, 2019*.
- 2018 Z. Shou*, **J. Pan***, 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.)
- 2018 **J. Pan**, C. Canton, K. McGuinness, NE. O'Connor, J. Torres, E. Sayrol, X. Giro-i-Nieto. SalGAN: Visual Saliency Prediction with Generative Adversarial Networks. *Submitted to Computer Vision and Image Understanding (CVIU), 2018*
- 2017 Master Thesis: Online Action detection. Under supervision of Professor Shih-Fu Chang, grade(10/10)
- 2017 **J. Pan**, C. Canton, K. McGuinness, NE. O'Connor, J. Torres, E. Sayrol, X. Giro-i-Nieto. SalGAN: 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 Bachelor Thesis: Visual Saliency Prediction using Deep Learning Techniques. Under supervision of Professor Xavier Giro-i-Nieto grade(9.9/10)
- 2015 **J. Pan**, X. Giro-i-Nieto. End-to-end convolutional network for saliency prediction. *arXiv preprint arXiv:1507.01422*

Awards

- 2018 Outstanding intern award (Sensetime).
- 2015 1st Prize 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–Present **Research Intern**, *Sensetime*, Beijing, China.
- Working on scene understanding and visual recognition tasks.
 - Conducting research on video generation and video prediction.
 - Implementing internal SDK for frame selection.
 - Participating in face unlock projects, responsible for gaze detection and liveness detection.
- March 2017– **Visiting Scholar**, *DVMM Lab at Columbia University*, New York, NY.
- December 2017 - Work on Video Modelling and Prediction Task.
- 2017 - 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.
- 2017 - 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

International Conference on Internet Multimedia Computing and Service

Computer Vision and Image Understanding

Computer skills

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

Programming Languages MATLAB, PYTHON, JAVA, C, \LaTeX , C#

Languages

Chinese **Native Speaker**
Spanish **Full professional proficiency**
Catalan **Full professional proficiency**
English **Full professional proficiency**