

Xu Jia

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RESEARCH INTEREST

Image and Language (Image Captioning, Visual Question Answering),
Object Recognition (Object Tracking, Semantic Segmentation),
Image Editing (Image Generation, Video Prediction, Image Super-resolution, Image Retargeting),
Deep Learning (CNN, RNN, VAE, GAN)

EDUCATION

Katholieke Universiteit Leuven <i>Doctoral student in department of Electrical Engineering</i>	Leuven, Belgium 09/2013 – now
Dalian University of Technology <i>Master of Engineering in Signal and Information Processing</i> GPA: 87.42/100	Dalian, China 09/2010 – 06/2013
Dalian University of Technology <i>Bachelor of Electrical and Information Engineering</i> <i>Bachelor of English (Double Major)</i> GPA in Major: 90.37/100 Rank 3/64	Dalian, China 09/2005 – 06/2010 09/2005 – 06/2010

WORK EXPERIENCE

Google Inc., Seattle, U.S.A. Software Engineer Intern	10/2016 – 01/2017
Katholieke Universiteit Leuven, Leuven, Belgium Research Associate	09/2013 – now
Dalian University of Technology, Dalian, China Graduate Research Assistant Duties include writing research proposals, participating some projects and tutoring undergraduates.	03/2011 – 06/2013

PUBLICATIONS

Liqian Ma, **Xu Jia***, Qianru Sun*, Bernt Schiele, Tinne Tuytelaars, Luc Van Gool, “Pose Guided Person Image Generation”, *Neural Information Processing Systems (NIPS)*, 2017. (Poster)

Fu Li, **Xu Jia**, Cheng Xiang, Huchuan Lu, “Visual tracking with structured patch-based model”, *Image Vision Computing*, 2017.

Xu Jia, Huchuan Lu, Ming-Hsuan Yang, “Visual Tracking via Coarse and Fine Structural Local Sparse Appearance Models”, *IEEE Transactions on Image Processing*, 2016.
DOI: 10.1109/TIP.2016.2592701

Bert De Brabandere*, **Xu Jia***, Tinne Tuytelaars, Luc Van Gool, “Dynamic Filter Network”, *Neural Information Processing Systems (NIPS)*, 2016. (Poster)

(* denotes equal contribution to this work and are listed in alphabetical order)

Amir Ghodrati*, **Xu Jia***, Marco Pedersoli, Tinne Tuytelaars, “Towards Automatic Image Editing: Learning to See another You”, *British Machine Vision Conference (BMVC)*, 2016. (Poster)

(* denotes equal contribution to this work and are listed in alphabetical order)

Xu Jia, Stratis Gavves, Basura Fernando, Tinne Tuytelaars, “Guiding Long-Short Term Memory for Image Caption Generation”, *International Conference on Computer Vision (ICCV)*, 2015. (Poster)

Amir Ghodrati, **Xu Jia**, Marco Pedersoli and Tinne Tuytelaars, “Swap Retrieval: Retrieving images of cats when the query shows a dog”, *International Conference on Multimedia Retrieval, (ICMR)*, 2015. (Poster)

Xu Jia, Dong Wang and Huchuan Lu, “Fragment-Based Tracking Using Online Multiple Kernel Learning”, *Proceedings of IEEE International Conference on Image Processing (ICIP)*, 2012. (Poster).

Xu Jia, Huchuan Lu, Ming-Hsuan Yang, “Visual Tracking Based on Adaptive Structural Local Sparse Appearance Model”, *Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2012. (Poster)

ACADEMIC SERVICE

Reviewer for NIPS, TIP, TCSVT

HONORS AND AWARDS

Finalist of Qualcomm Innovation Fellowship Europe 2016	2016
Outstanding Graduates Awards (University Level)	2013
National Scholarship of China	2012
Toshiba Research Scholarship	2012
2nd Prize in Mindray Cup Innovation Design Contest (Northeastern District of China)	2011
1st Prize of Excellent Graduate Scholarship	2010 – 2013
Outstanding Graduates Awards (University Level)	2010
2nd Prize for Excellent Undergraduate Student	2007 – 2009
3rd Prize in 8th “Pan Deng” Cup Student Scientific work Contest (Academic Paper Class)	2008
3rd Prize in 4th Electrical Mathematical Contest in Modeling (EMCM)	2007

INTERNATIONAL SCHOOL

Internatinal Computer Vision Summer School, Sicily, Italy, 07/2015
Lectured by Yoshua Bengio, Thomas Brox, Daniel Buchmuller, Fei-Fei Li, Marc Pollefeys, Silvio Savarese, Cees Snoek, Stefano Soatto, Doris Tsao, Andrea Vedaldi, Rene Vidal, Takeo Kanade, Stephane Mallat, Matthew Zeiler

First integrating Vision & Language (iV&L) Net Training School, University of Leuven, Belgium, 06/2015

Machine Learning Course in Dragon Star Program 08/2012
Lectured by Kai Yu and Tong Zhang

PROFESSIONAL SKILLS

Solid background in computer vision and machine learning.

Proficient in Matlab and Python.

Experience of using Theano and Tensorflow Deep Learning framework.