

# Xu Jia

---

KU Leuven department Elektrotechniek - ESAT, PSI/VISICS  
Kasteelpark Arenberg 10 - bus 2441, B-3001 Heverlee, Belgium  
+32 487 807 336, <http://homes.esat.kuleuven.be/~xjia/>, [xu.jia@esat.kuleuven.be](mailto:xu.jia@esat.kuleuven.be)

## 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

<b>Katholieke Universiteit Leuven</b> <i>Doctoral student in department of Electrical Engineering</i>	Leuven, Belgium 09/2013 – now
--	----------------------------------

<b>Dalian University of Technology</b> <i>Master of Engineering in Signal and Information Processing</i> GPA: 87.42/100	Dalian, China 09/2010 – 06/2013
---	------------------------------------

<b>Dalian University of Technology</b> <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”, *CoRR abs/1705.09368*, 2017.

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
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.