

# BO ZHAO

Applied AI Researcher

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## EXPERIENCES

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<b>BMO AI, Canada</b> Applied AI Researcher	<i>2019.08.06 – Present</i>
<b>University of Tokyo, Japan</b> Visiting Scholar	<i>2019.04.23 – 2019.06.13</i>
<b>University of British Columbia, Canada</b> Postdoctoral Research Fellow	<i>2018.01.01 – 2019.07.31</i>
<b>Disney Research Pittsburgh, US</b> Lab Associate	<i>2017.10.23 – 2017.12.14</i>
<b>National University of Singapore, Singapore</b> Visiting Student	<i>2015.09.05 – 2017.08.27</i>
<b>Southwest Jiaotong University, China</b> Ph.D. in Computer Science, Overall GPA: 3.36/4	<i>2012.09.01 – 2017.09.04</i>
<b>Southwest Jiaotong University, China</b> M.S. Candidate in Computer Applications and Technology*, Overall GPA: 3.51/4	<i>2010.09.01 – 2012.06.31</i>
<b>Southwest Jiaotong University, China</b> B.S. in Networking Engineering, Overall GPA: 3.67/4	<i>2006.09.01 – 2010.06.31</i>

## RESEARCH INTERESTS

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Deep Learning, Computer Vision, Generative Models, Multimedia

## PUBLICATIONS

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1. **Bo Zhao**, Lili Meng, Weidong Yin, Leonid Sigal, **Image Generation from Layout**, CVPR, 2019.
2. Lili Meng, **Bo Zhao**, Bo Chang, Gao Huang, Frederick Tung, Leonid Sigal, **Where and When to Look? Spatio-temporal Attention for Action Recognition in Videos**, arXiv:1810.04511, 2018.
3. **Bo Zhao**, Bo Chang, Zequn Jie, Leonid Sigal, **Modular Generative Adversarial Networks**, ECCV, 2018.
4. **Bo Zhao**, Xiao Wu, Zhi-Qi Cheng, Hao Liu, Zequn Jie, Jiashi Feng, **Multi-View Image Generation from a Single-View**, ACM MM, 2018.
5. Lizi Liao, Xiangnan He, **Bo Zhao**, Chong-Wah Ngo, Tat-Seng Chua, **Interpretable Multimodal Retrieval for Fashion Products**, ACM MM, 2018.
6. Zequn Jie, Pengfei Wang, Yonggen Ling, **Bo Zhao**, Yunchao Wei, Jiashi Feng, Wei Liu, **Left-Right Comparative Recurrent Model for Stereo Matching**, CVPR, 2018.
7. Jun-Yan He, Xiao Wu, Yu-Gang Jiang, **Bo Zhao**, Qiang Peng, **Sketch Recognition with Deep Visual-Sequential Fusion Model**, ACM MM, 2017.
8. Hao Liu, Jiashi Feng, Zequn Jie, Karlekar Jayashree, **Bo Zhao**, Meibin Qi, Jianguo Jiang, Shuicheng Yan, **Neural Person Search Machines**, ICCV, 2017.
9. **Bo Zhao**, Jiashi Feng, Xiao Wu, Shuicheng Yan, **Memory-Augmented Attribute Manipulation Networks for Fashion Search**, CVPR, 2017.

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\*Transferred to combined Master/Ph.D program in Sep. 2012

10. **Bo Zhao**, Jiashi Feng, Xiao Wu, Shuicheng Yan, **A Survey on Deep Learning-Based Fine-Grained Object Classification and Semantic Segmentation**, International Journal of Automation and Computing, 2017.
11. **Bo Zhao**, Xiao Wu, Jiashi Feng, Qiang Peng, Shuicheng Yan, **Diversified Visual Attention Networks for Fine-Grained Object Classification**, IEEE Transaction on Multimedia, 2017.
12. **Bo Zhao**, Xiao Wu, Qiang Peng, Shuicheng Yan, **Clothing Cosegmentation for Shopping Images**, IEEE Transaction on Multimedia, 2016.
13. **Bo Zhao**, Yan Zhu, **Formalizing and Validating the Web Quality Model for Web Source Quality Evaluation**, Expert Systems with Applications, 41(7):3306-3312, 2014.
14. Xiao Wu, **Bo Zhao**, Ling-Ling Liang, Qiang Peng, **Clothing Extraction by Coarse Region Localization and Fine Foreground/Background Estimation**, International Conference on Multimedia Modeling, 2013.

## PATENTS

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1. Xiao Wu, **Bo Zhao**, Ling-ling Liang, Qiang Peng, **Method for Detecting and Extracting Main Target in Cluttered Image**.
2. Xiao Wu, **Bo Zhao**, Ling-ling Liang, Qiang Peng, **Target Clothing Extraction Method Aiming at Shopping Image Retrieval**.

## RESEARCH PROJECTS

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<b>Sichuan Provincial Science and Technology Innovation Seeding Fund</b> <i>Clothing Visual Search Based on Image Understanding</i>	<b>PI</b> <i>Oct. 2014 – Dec. 2015</i>
<b>Sichuan Provincial Science and Technology Innovation Seeding Fund</b> <i>Cosegmentation for Clothing Images</i>	<b>PI</b> <i>Oct. 2012 – Dec. 2013</i>
<b>National Natural Science Foundation of China</b> <i>Cluttered Clothing Image Retrieval and Recommendation</i>	Participant <i>Jan. 2014 – Dec. 2017</i>
<b>National College Student Innovation and Practice Project</b> <i>Applications of NS2 in the Teaching of Network Engineering</i>	<b>Co-PI</b> <i>Sep. 2008 – Jun. 2009</i>

## HONORS AND AWARDS

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<b>Scholarship from China Scholarship Council</b>	<i>May 2015</i>
<b>National Scholarship for Graduate Students</b>	<i>Oct. 2014</i>
<b>SWJTU Excellent Undergraduate</b>	<i>Jun. 2010</i>
<b>National Scholarship</b>	<i>Nov. 2008</i>
<b>National Scholarship</b>	<i>Nov. 2007</i>

## REFEREES

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### Leonid Sigal

Associate Professor at Department of Computer Engineering, UBC, Canada  
Email: lsigal@cs.ubc.ca

### Jiashi Feng

Assistant Professor at Department of Electronic and Computer Engineering, NUS, Singapore  
Email: elefjia@nus.edu.sg

### Xiao Wu

Professor at Department of Computer Science, SWJTU, China  
Email: wuxiaohk@gmail.com