

# Lei Chen

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CONTACT INFORMATIONS	Simon Fraser University Department of Computing Science 8888 University Dr. Burnaby, BC, Canada	<i>Email:</i> chenleic@sfu.ca <i>Tel:</i> +1 (604) 679-7658
RESEARCH INTERESTS	Weakly-supervised grounding of action and object Generative model for images and videos	
EDUCATION	<b>Simon Fraser University</b> , Burnaby, BC, Canada Ph.D. candidate in Computing Science Supervisor: Greg Mori	01/05/2016-present
	<b>Simon Fraser University</b> , Burnaby, BC, Canada M.Sc. in Computing Science Thesis: Learning Action Primitives for Multi-Level Video Event Understanding GPA: 4.20/4.33	09/01/2013-12/20/2015
	<b>Huazhong University of Science and Technology</b> , Wuhan, China GPA: 88/100	09/01/2009-06/30/2013
PROFESSIONAL EXPERIENCE	<b>Simon Fraser University</b> , Burnaby, BC, Canada <i>Research Assitant</i> Project: Weakly-supervised grounding in videos, Conditional image generation Supervisor: Greg Mori	09/01/2013-present
	<b>Borealis AI</b> , Vancouver, BC, Canada <i>Research Intern</i> Project: Visualization of embedding networks Collaborator: Jianhui Chen	01/01/2019-08/31/2019
	<b>Disney Research</b> , Glendale, CA, USA <i>Research Intern</i> Project: Audience analysis with sequential model Collaborator: Stephan Mandt	07/16/2018-10/12/2018
	<b>Disney Research</b> , Pittsburgh, PA, USA <i>Research Intern</i> Project: Audience analysis with variational inference Collaborator: Stephan Mandt	09/18/2017-12/14/2017
	<b>SPORTLOGiQ</b> , Montreal, QC, Canada	06/15/2015-09/01/2015

*Research Intern*

Project: Joint semantic embedding of images and texts with deep neural network

Collaborator: Mehrsan Javan

## SKILLS

Programming with Python, Matlab and Pytorch

## PUBLICATIONS

Mengyao Zhai, **Lei Chen**, and Greg Mori. Hyper-lifelonggan: Scalable lifelong learning for image conditioned generation. In *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2021.

Mengyao Zhai, **Lei Chen**, Jiawei He, Megha Nawhal, Frederick Tung, and Greg Mori. Piggyback gan: Efficient lifelong learning for image conditioned generation. In *Proceedings of the European Conference on Computer Vision (ECCV)*, 2020.

**Lei Chen**, Jianhui Chen, Hossein Hajimirsadeghi, and Greg Mori. Adapting grad-cam for embedding networks. In *IEEE Winter Conference on Applications of Computer Vision (WACV)*, 2020.

Mengyao Zhai\*, **Lei Chen**\*, Frederick Tung, Jiawei He, Megha Nawhal, and Greg Mori. Lifelong gan: Continual learning for conditional image generation. In *IEEE International Conference on Computer Vision (ICCV)*, 2019.

**Lei Chen**, Mengyao Zhai, Jiawei He, and Greg Mori. Object grounding via iterative context reasoning. In *1st Workshop on Multi-Discipline Approach for Learning Concepts at IEEE International Conference on Computer Vision (ICCV)*, 2019.

Mengyao Zhai, Jiacheng Chen, Ruizhi Deng, **Lei Chen**, Ligeng Zhu, and Greg Mori. Learning to forecast videos of human activity with multi-granularity models and adaptive rendering. In *British Machine Vision Conference (BMVC)*, 2017.

**Lei Chen**, Mengyao Zhai, and Greg Mori. Attending to distinctive moments: Weakly-supervised attention models for action localization in video. In *5th Workshop on Web-scale Vision and Social Media at International Conference on Computer Vision (ICCV)*, 2017.

Zhiwei Deng, Mengyao Zhai, **Lei Chen**, Yuhao Liu, Srikanth Muralidharan, Mehrsan Javan Roshtkhari, and Greg Mori. Deep structured models for group activity recognition. In *British Machine Vision Conference (BMVC)*, 2015.

Mengyao Zhai, **Lei Chen**, Jinling Li, Mehran Khodabandeh, and Greg Mori. Object detection in surveillance video from dense trajectories. In *Machine Vision Applications (MVA), 2015 14th IAPR International Conference on*, 2015.

Tian Lan, **Lei Chen**, Zhiwei Deng, Guang-Tong Zhou, and Greg Mori. Learning action primitives for multi-level video event understanding. In *European Conference on Computer Vision (ECCV) Workshops*, 2014.