YIPIN ZHOU

(401) · 569 · 8502 ⋄ yipin@cs.unc.edu

http://www.cs.unc.edu/~yipin/

EDUCATION

The University of North Carolina at Chapel Hill   September 2014 - present
Doctor of Philosophy(Ph.D) in Computer Science
Advisor: Prof. Tamara Berg

Brown University   September 2012 - May 2014
Master of Science(Sc.M.) in Computer Science
Advisor: Prof. James Hays

Tongji University   September 2008 - June 2012
Bachelor of Science(B.S.) in Software Engineering(Media Art & Science)
Undergraduate advisor: Prof. Jinyuan Jia

PUBLICATIONS

Dance Dance Generation: Motion Transfer for Internet Videos
Yipin Zhou, Zhaowen Wang, Chen Fang, Trung Bui and Tamara L. Berg
under submission, 2019

Visual to Sound: Generating Natural Sound for Videos in the Wild
Yipin Zhou, Zhaowen Wang, Chen Fang, Trung Bui and Tamara L. Berg
Computer Vision and Pattern Recognition (**CVPR**), 2018

Generating Ambient Sound from Internet Videos
Yipin Zhou, Zhaowen Wang, Chen Fang, Trung Bui and Tamara L. Berg
Sight and Sound Workshop (**CVPRW**), 2018

Image2GIF: Generating Cinemagraphs using Recurrent Deep Q-Networks
Yipin Zhou, Yale Song and Tamara L. Berg
Winter Conference on Applications of Computer Vision (**WACV**), 2018

Learning Temporal Transformations From Time-Lapse Videos
Yipin Zhou and Tamara L. Berg
European Conference on Computer Vision (**ECCV**), 2016

Temporal Perception and Prediction in Ego-Centric Video
Yipin Zhou and Tamara L. Berg
International Conference on Computer Vision (**ICCV**), 2015

A MAP-estimation Framework for Blind Deblurring Using High-level Edge Priors
Yipin Zhou and Nikos Komodakis
European Conference on Computer Vision (**ECCV**), 2014

RESEARCH EXPERIENCE

Research Assistant   September 2014 - present
Working with Prof. Tamara Berg   **UNC, Chapel Hill**

· Video understanding and temporal prediction.
· Application of deep learning and generative models.

Research Intern   May 2018 - August 2018
Working with Dr. Zhaowen Wang, Dr. Chen Fang and Dr. Trung Bui   **Adobe Research, SJ**

· Personalized motion transfer for Internet videos.
· Video frame synthesis through generative models.

Research Intern   May 2017 - August 2017
Working with Dr. Zhaowen Wang, Dr. Chen Fang and Dr. Trung Bui   **Adobe Research, SJ**

· Generating natural sound based on videos in the wild.

Research Intern   May 2016 - August 2016
Working with Dr. Yale Song   **Yahoo Research, NY**

· Cinemagraph generation(through generative model) from a single image.

Research Intern   June 2013 - August 2013
Working with Prof. Nikos Komodakis   **ENPC, Paris**

· Blind image deconvolution incorporating powerful priors.

Research Assistant   March 2013 - May 2014
Supervised by Prof. James Hays   **Brown, Providence**

· Image colorization based on color transfer and optimization method.
· Image denoising using external data.

PROGRAMMING

Python, Matlab, C/C++, HTML/Javascript; Tools: Tensorflow, PyTorch, Theano.