PENGYU YAN

AI Lab, 113X, Davis Hall, Buffalo, NY 14260-2500

(716)-907-3684 | pyan4@buffalo.edu | https://cse.buffalo.edu/~pyan4

EDUCATION

University at Buffalo, New York State   *Aug 2018 - Present*

Computer Science and Engineering, PhD Program
Supervisor: Dr. David Doermann
Focus: Computer Vision and Machine Learning

University of Electronic Science and Technology of China   *Sep 2014-Jul 2018*

Electronic and Computer Engineering, Bachelor Degree, 2018
GPA 3.66/4.0
Core-courses GPA: 4.0/4.0

RESEARCH EXPERIENCE

Graduate Research Assistant   *Aug 2018 – Present*

Undergraduate Research Projects   *Jul 2016 - Jun 2018*

Graduation Thesis
- Saliency Detection based on Generative Adversarial Networks (GANs)
- Excellent Graduation Paper Reward

Saliency Detection in 3D video based on Graphical Model
- Upgraded SLIC algorithm and designed a Multi-Scale architecture
- Calculated the saliency score based on global contrast
- Exploited graphical model to refine the saliency maps

COURSES

Fall 2018   **Spring 2019**

CSE 574 Introduction to Machine Learning   CSE 573 Introduction to Computer Vision
CSE 531 Analysis of Algorithm   CSE 586 Distributed System
CSE 704 Practical Deep Learning   CSE 676 Deep Learning

PUBLICATION

1. P. Zhang, **P. Yan**, J. Wu, J. Liu and F. Shen, *"Unsupervised Saliency Detection in 3-D-Video Based on Multiscale Segmentation and Refinement,"* in IEEE Signal Processing Letters, vol. 25, no. 9, pp. 1384-1388, Sept. 2018

AWARDS

1st Prize (Top 5%)	"Langchao" Enterprise scholarship (Granted to two students)	*Oct 2017*
1st Prize	Contemporary Mathematical Contest in Modeling	*Sep 2016*
2nd Prize	2016 UESTC Mathematical Contest in Modeling	*Jul 2016*

SKILLS

Language: TOEFL 99 (Fluent English Speaker)
Programming: Python, HTML
Tools: TensorFlow, LaTeX, MATLAB, Ubuntu