

Kai Zhao

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Google scholar: <https://scholar.google.com/citations?user=42gpbZoAAAAJ&hl=en>

Github: <https://github.com/zeakey>

Research Interests

Statistical Learning, Computer Vision, Reinforcement Learning.

Experience

- **Panasonic Research Develop Center Singapore** **Singapore**
Research Intern 2018.09 – 2018.12
 - Scene Recognition
 - **Nankai University** **Tianjin, China**
Ph.D student 2017 -
 - Ph.D researcher in the visual computing lab.
 - Object skeleton detection in natural images, saliency detection.
 - **Tencent Youtu Lab** **Shanghai, China**
Research Intern 2016.03 – 2016.06
 - Multi-label image classification and learning from web crawled data.
 - **Shanghai University** **Shanghai, China**
Master Student 2014 – 2017
 - Team member, lab of computer vision and pattern recognition;
 - Object skeleton/boundary detection in the wild, decision trees and deep learning;
 - 3 papers were accepted to top tier conferences/journal in the area of computer vision and machine learning (1 CVPR, 1 IEEE Trans on Image Processing, 1 NIPS).
 - **Shanghai University** **Shanghai, China**
Bachelor Student 2010 – 2014
 - Leader of a student group aiming at building websites for school departments and companies (we made money from it);
 - Graduation project, object recognition based on skeleton-union tree was as rated excellent project;
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Education

- **Nankai University** **Tianjin, China**
College of Computer Science and Control Engineering, Ph.D Computer Science 2017 – 2020 (expected)
 - **Shanghai University** **Shanghai, China**
School of Communication and Information Engineering, M.S 2014-2017
 - **Shanghai University** **Shanghai, China**
School of Communication and Information Engineering, B.S 2010-2014
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Core Technical Skills

Theory: Information theory, Statistics, Optimization, Machine learning, Neural networks.

Programming: C, C++, CUDA, \LaTeX , Python, shell script

Language: English: fluent (ILETS average 6.5, reading 8.5); Chinese-simplified (native).

Publications

- *Kai Zhao, Shanghua Gao, Wenguan Wang, Ming-Ming Cheng*, Optimizing the F-measure for Threshold-free Salient Object Detection, **ICCV2019**
- *Kai Zhao, Jingyi Xu, Ming-Ming Cheng*, RegularFace: Deep Face Recognition via Exclusive Regularization, **CVPR2019**
- *Kai Zhao, Wei Shen, Shanghua Gao, Dandan Li, Ming-Ming Cheng*, Hi-Fi: Hierarchical Feature Integration for Skeleton Detection, **IJCAI2018**
- *Wei Shen, Kai Zhao, Yilu Guo, Alan Yuille*, Label Distribution Learning Forests, **NIPS2017**
- *Wei Shen, Kai Zhao, Yuan Jiang, Yan Wang, Xiang Bai, Alan Yuille*, DeepSkeleton: Learning Multi-task Scale-associated Deep Side Outputs for Object Skeleton Extraction in Natural Images, **TIP2017**
- *Wei Shen, Kai Zhao, Yuan Jiang, Yan Wang, Zhijiang Zhang, Xiang Bai* Object Skeleton Extraction in Natural Images by Fusing Scale-associated Deep Side Outputs, **CVPR2016**

* *Wei Shen is my master's supervisor.*

See <http://kaizhao.net/research> for full publication list.

Software

- [shu-thesis](#): a \LaTeX template for Shanghai Univ master thesis;
- [VLTools](#): a collection of useful, practical utilities, tools and extensions for computer vision and machine learning.