Jinming Su (苏金明)

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👤 About

I am currently in my second year of master's degree in computer science at Beihang University. I am broadly interested in solving real-world visual understanding problems with optimization/learning-based algorithms. Recently, I am interested in developing learning and optimization frameworks for **visual saliency analysis** (especially salient object detection)and **urban scene parsing** (especially semantic segmentation).

🎓 Education

Beihang University (BUAA), Beijing, China   Sept. 2017 – Present

Master student in Computer Science and Technology, expected in Jan. 2020, ranked in the top 10%
– State Key Laboratory of Virtual Reality Technology and Systems, SCSE
– Supervisor: Jia Li

Northeastern University (NEU), Shenyang, China   2013 – 2017

B.S. in Computer Science and Technology. GPA: 4.1, ranked 10th of 258 and in the top 5%
– Thesis: Mobile Terminal Based Outdoor Scene Semantic Segmentation Approach and System
– Recommended for admission to Beihang University without exams

👥 Experience

Peng Cheng Laboratory (PCL), Shenzhen, China   Dec. 2018 – Mar. 2019

Research Intern

Proposed a novel approach to solve the problem of salient object detection, and submitted it to ICCV 2019

School of Innovation and Entrepreneurship of NEU, Shenyang, China   Oct. 2015 – Oct. 2016

Software Developer

Participated in the development of the program online judge platform, which is currently used for competitions and teaching in NEU

Northeastern University, Shenyang, China   Dec. 2013 – Sept. 2015

Member of ACM-ICPC School Team of NEU

📑 Selected Works

1. Jia Li, **Jinming Su**, Changqun Xia, Yonghong Tian. Distortion-adaptive Salient Object Detection in 360° Omnidirectional Images. (Under review by the IEEE Journal of Selected Topics in Signal Processing)

2. **Jinming Su**, Jia Li, Yafei Song, Changqun Xia and Yonghong Tian. Error-correcting Salient Object Detection with Structural Similarity Matrix. (Under review by ICCV 2019)

3. Changqun Xia, Jia Li, **Jinming Su** and Yonghong Tian. Relating Background to Foreground: Exploring Reciprocal Attention for Salient Object Detection by Cooperative Learning. (Under review by ICCV 2019)

4. **Jinming Su**, Jia Li, Yu Zhang, Changqun Xia and Yonghong Tian. Selectivity or Invariance: Boundary-aware Salient Object Detection. *arXiv preprint arXiv:1812.10066, 2018.* (Under review by ICCV 2019)

5. Changqun Xia, Jia Li, **Jinming Su** and Ali Borji. Learning a saliency evaluation metric using crowdsourced perceptual judgments. *arXiv preprint arXiv:1806.10257, 2018.* (Under review by Pattern Recognition)

6. 李甲、**苏金明**、夏长群、赵沁平。图像前景物体分割方法及装置。申请日：2019 年 05 月 16 日，申请号：201910407975.9. (In Application)

7. 李甲、**苏金明**、夏长群、赵一凡、赵沁平。一种图像前景物体分割方法。申请日：2018 年 12 月 24 日，申请号：201811578893.2. (In Application)

8. 李甲、**苏金明**、夏长群、赵沁平。图像显著性预测结果的评价方法和装置。申请日：2018 年 05 月 14 日，申请号：201810457947.3. (In Application)

⌗ SELECTED HONOURS

- Huawei Scholarship, Jun. 2019
- Outstanding Graduate Student of BUAA in 2018, Jan. 2019
- Merit Student of BUAA for the 2017 - 2018 academic year, Nov. 2018
- Outstanding Undergraduate Thesis of NEU, Jul. 2017
- National Encouragement Scholarship, three times, from 2014 to 2016
- The Zhou Kun Scholarship, four times, from 2014 to 2017
- Excellent Student of NEU, two times, Dec. 2014 and Dec. 2015
- First Prize of the Liaoning Province ACM-ICPC Contest, two times, May. 2014 and May. 2015
- Self-impovement Star of Northeastern University, Dec. 2014
- Outstanding Individual of Scientific and Technological Innovation of Northeastern University, Dec. 2014
- Second Prize of the National English Competition for College Students, Nov. 2014
- Second Prize of the China Undergraduate Mathematical Contest in Modeling, Sept, 2014

★ PROJECTS & ACTIVITIES

- External reviewer of IEEE MIPR 2019, and also reviewed more than 10 top-level conference or journal papers (including CVPR 2019, ICCV 2019, ACM MM 2018 and so on) with the help of supervisor
- Teaching assistant for *Machine Learning and Its Engineering Foundation* at Beihang University, Spring 2018
- Program online judge platform NEUOJ
- Official website of Laboratory of Cognitive Vision Towards Evolvable Algorithms and Models CVTEAM
- Github: https://github.com/Jinming-Su
- Blog: https://blog.csdn.net/u014451076
- Homepage: http://sjming.net

⚙ SKILLS

- Specialize in deep learning for computer vision, and follow the research frontier closely
- Familiar with deep learning libraries Caffe/Pytorch
- Familiar with C++/Python/Matlab, Linux
- Familiar with data structure and algorithm

♥ MORE PERSONAL INFORMATION

- Date of birth: January 25, 1995
- Native place: Xuchang City, Henan Province
- Political appearance: Member of the Communist Party of China (CPC)
- I am a good partner, able to adapt to different circumstances quickly, responsible, optimistic and easy to communicate. At the same time, I have certain academic and engineering ability, and am willing to solve challenging problems.