

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: 4.1/5.0, ranked 10/258 (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 design and 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

- Jinming Su**, Jia Li, Yu Zhang, Changqun Xia and Yonghong Tian. Selectivity or Invariance: Boundary-aware Salient Object Detection. *IEEE International Conference on Computer Vision (ICCV)*, 2019.
- Jia Li, **Jinming Su**, Changqun Xia, Yonghong Tian. Distortion-adaptive Salient Object Detection in 360° Omnidirectional Images. (Under review by IEEE Journal of Selected Topics in Signal Processing)
- 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)
- Jinming Su**, Jia Li, Yafei Song, Changqun Xia and Yonghong Tian. Error-correcting Salient Object Detection with Structural Similarity Matrix.
- Changqun Xia, Jia Li, **Jinming Su** and Yonghong Tian. Relating Background to Foreground: Exploring Reciprocal Attention for Salient Object Detection by Cooperative Learning.

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
- First Class Scholarship of Excellent Student in BUAA, two times, from Oct. 2017 and Oct. 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-improvement 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 BUAA, Spring 2018
- Designed and developed the official website of my laboratory CVTEAM <http://cvteam.net>
- Participated in the design and development of program online judge platform for NEU [NEUOJ](http://neuoj.net)
- 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.