

XU Shijian

CONTACT INFORMATION	Email: xsj13260906215@gmail.com 141220120@smail.nju.edu.cn Phone: (+86)13260906215 Homepage: https://shijianxu.github.io
EDUCATION	<ul style="list-style-type: none">• Nanjing University, Nanjing, China 2014.09 – 2018.06 B.Sc. in Computer Science and Technology National Elite Program
RESEARCH EXPERIENCE	<ul style="list-style-type: none">• City University of Hong Kong, HK SAR, China 2018.09 – 2019.12 Single Image Specular Highlight Removal Draft<ul style="list-style-type: none">– propose a deep learning model CDFF-Net that can learn discriminative features for specular highlight removal– construct a large scale synthetic dataset of 11000 image pairs with/without specular highlights, which is proved to be able to generalize well on real world data– extensive experiments show that the proposed method plays favorably against state-of-the-art highlight removal methods• Semi-supervised Single Image Heavy Rain Removal Report<ul style="list-style-type: none">– propose an adversarial learning based semi-supervised learning for single image heavy rain removal, which allows for the utilization of both synthesized heavy rain images and real collected heavy rain images– use frequency decomposition for rain-streak removal and mist removal spontaneously• Nanjing University, Nanjing, China 2015.09 – 2018.06 Smartphone App Usage Prediction Paper<ul style="list-style-type: none">– propose a novel LSTM based model for app usage prediction and recommendation, which leverages both temporal-sequence dependency and contextual information to enhance the prediction precision– demonstrate that app usage has strong temporal and spacial correlations, based on which we extract contextual features such as time and location to construct the prediction model– conduct experiments based on real collected dataset, which verifies the performance of the proposed approach
PUBLICATION	<ul style="list-style-type: none">• Predicting Smartphone App Usage with Recurrent Neural Networks S. Xu, W. Li, X. Zhang, S. Gao, T. Zhan, Y. Zhao, W.-W. Zhu, T. Sun International Conference on Wireless Algorithms, Systems, and Applications, 2018.
AWARDS	<ul style="list-style-type: none">• Second Prize of Excellent Bachelor Thesis Award, Nanjing University 2018• Third Prize of Elite Program Scholarship, Nanjing University 2017• Honorable Mention for MCM 2017, Nanjing University 2017• Third Prize of People's Scholarship, Nanjing University 2016• Second Prize of People's Scholarship, Nanjing University 2015
ACADEMIC ACTIVITIES	<ul style="list-style-type: none">• Third International Conference on Mathematics of Data Science, HK SAR 2019• 2016 China National Computer Congress, Taiyuan, Shanxi 2016
PERSONAL SKILLS	<ul style="list-style-type: none">• Programming Language: C, C++, Python, MATLAB• Operating System: Windows, Linux