

YICHUN SHI

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EDUCATION | PH.D. STUDENT, COMPUTER SCIENCE AND ENGINEERING

Michigan State University
AUG 2016 – PRESENT

Supervisor: Dr. Anil K. Jain

B.S., COMPUTER SCIENCE AND ENGINEERING

Shanghai Jiao Tong University
SEP 2012 – JUN 2016

RESEARCH INTERESTS | Face Recognition, Embedding Learning, Unsupervised/Semi-supervised Learning, Uncertainty; Image Translation/Manipulation, 3D Machine Learning

RESEARCH EXPERIENCE | RESEARCH ASSISTANT

Pattern Recognition and Image Processing (PRIP) Lab, Michigan State University
AUG 2016 - PRESENT

Supervisor: Dr. Anil K. Jain

Worked on face recognition and related topics.

RESEARCH ASSISTANT

Key Laboratory of Shanghai Commission for Intelligent Interaction and Cognitive Engineering, Shanghai Jiao tong University
AUG 2014 – AUG 2016

Advisor: Dr. Hongtao Lu

Worked on visual object tracking.

INTERNSHIP | RESEARCH INTERN

NEC Lab of America.
MAY 2019 – AUG 2019

PH.D. INTERN

Visa, Inc.
MAY 2018 – AUG 2018

PUBLICATION | **Y. Shi**, X. Yu, K. Sohn, M. Chandraker, A. K. Jain. "Towards Universal Representation Learning for Deep Face Recognition", in IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2020.

S. Gong, **Y. Shi**, A. K. Jain. "Low Quality Video Face Recognition: Multi-Mode Aggregation Recurrent Network (MARN)", in IEEE International Conference on Computer Vision (ICCV) Workshop, 2019.

Y. Shi, A. K. Jain. "Probabilistic Face Embeddings", in IEEE International Conference on Computer Vision (ICCV), 2019.

Y. Shi, D. Deb, A. K. Jain. "WarpGAN: Automatic Caricature Generation", in IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019 (**oral presentation**).

S. Gong, **Y. Shi**, A. K. Jain. "Video Face Recognition: Component-wise Feature Aggregation Network (C-FAN)", in International Conference on Biometrics (ICB), 2019.

Y. Shi, A. K. Jain. "DocFace+: ID Document to Selfie Matching", in IEEE Transaction on Biometrics, Behavior, and Identity Science, 2019.

Y. Shi, A. K. Jain. "DocFace: Matching ID Document Photos to Selfies", in IEEE International Conference on Biometrics: Theory, Applications, and Systems (BTAS), 2018.

D. Deb, S. Wiper, A Russo, S Gong, **Y. Shi**, C. Tymoszek, A. K. Jain. "Face Recognition: Primates in the Wild", in IEEE International Conference on Biometrics: Theory, Applications, and Systems (BTAS), 2018.

Y. Shi, C. Otto, A. K. Jain. "Face Clustering: Representation and Pairwise Constraints", in IEEE Trans. on Information Forensics and Security, 2018.

Y. Shi, A. K. Jain. "Improving Face Recognition by Exploring Local Features with Visual Attention", in IAPR International Conference on Biometrics (ICB), 2018.

SKILLS | Python, C++, Matlab, Tensorflow, Pytorch