

Yucong SHEN

PERSONAL INFORMATION

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EDUCATION

SEP 2017 - May 2019 Master of Computer Science in New Jersey Institute of Technology
SEP 2013 - Jun 2017 Bachelor of Mathematics in Central China Normal University

WORK EXPERIENCE

present OCT 2017	<p>Computer vision lab in NJIT <i>Research Assistant</i></p> <p>I'm a research assistant of Prof. Frank Y. Shih in the field of computer vision, focusing on deep learning and computer vision. I'm now working on the morphology neural network right now.</p>
Nov - JUL 2016	<p>Didi Taxi <i>Data Scientist Intern</i></p> <p>Didi Taxi is the Chinese uber in China. Our team response for all the map data mining in Didi taxi. I did few projects such as walking navigation data mining, which have over 100GB data, driver's trace data mining, which have over 30GB data, etc.</p>
JUN - JUL 2016	<p>Institute of Automation, Chinese Academy of Sciences <i>Face Recognition and Deep Learning Intern</i></p> <p>Dealing with the huge face database such as LFW with convolutional neural network. Mainly use cae and tensorflow, and we got 85 percent accuracy on LFW database.</p>

PROJECT

Apr 2017	<p>Robust Deep Semi-NMF</p> <p>This algorithm deal with the data set that has noise and outliers very well. And the clustering accuracy is 58 percent in Yale database, 54 percent in ORL database</p>
JUN 2015	<p>Face Clustering in the basic of Non-negative Matrix Factorization</p> <p>This project use ORL database. First, we implement Nonnegative Matrix Factorization with matlab, and after doing NMF to original data matrix, we classify the data set with K-means clustering, the accuracy is 60 percent.</p>
MAR - DEC 2015	<p>Tensor Decomposition and Its Applications in High-dimensional Complex Data</p> <p>Tensor Decomposition and Its Applications in High-dimensional Complex Data We mainly implement CP decomposition and Tuck decomposition of tensor in matlab. And use it as dimension reduction of the data set. We implement tensor decomposition on Yale database and ORL database, the accuracy of clustering is 65 percent.</p>

COMPUTER SKILLS

Basic Knowledge: SPARK, TENSORFLOW, CAFFE \LaTeX
Intermediate Knowledge: PYTHON, Matlab, R, Sql, Linux