

Yucong Shen
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Education

Sep 2017 - Jun 2019, New Jersey Institute of Technology
Master of Computer Science

Sep 2013-Jun 2017, Central China Normal University
Bachelor of Mathematics and Applied Mathematics

Work Experience

Oct 2017 - present, Prof. Frank Shih 's lab in NJIT Research Assistant
I'm doing some research in Deep Learning and Mathematical Morphology
in the supervised of Prof. Frank Shih.

Nov 2016 - Jul 2016, Didi Taxi Data Scientist Intern
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.

Jun 2016 - Jul 2016, Institute of Automation,Chinese Academy of Sciences
Face Recognition and Deep Learning Intern
Dealing with the huge face database such as LFW with convolutional neu-
ral network. Mainly use ca e and tensor ow, and we got 95 percent accuracy
on LFW database.

Skills

Platform

- spark
- Linux

Programming languages

- Python
- Matlab
- Sql
- C
- R
- ...

Frame

- Tensorflow
- Caffe

Project

Mar 2015 - Dec 2015, 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. The accuracy
of clustering on ORL database is 65 percent.

Jun 2015, Face Clustering in the basic of Non-negative Matrix Factoriza-
tion

This project use ORL database. We implement Nonnegative Matrix Fac-
torization with Matlab, and make classification after dimension reduction
with NMF. The accuracy is 60 percent.

Apr 2017, Robust Deep Semi-NMF

In order to dealing with the data set that have noise and outliers, we
develop Robust Deep Semi-NMF in the basic of Deep Semi-NMF and can
avoid the noise very well.