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# Yucong Shen

## 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

### **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 neural network. Mainly use ca e and tensor ow, and we got 95 percent accuracy on LFW database.

**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.

## Skills

### **Platform**

- spark
- Linux

### **Programming languages**

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

### **Frame**

- Tensorflow
- Caffe

## Project

### **Mar 2015 - Dec 2015, Tensor Decomposition and Its Applications in Hign-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 Factorization**

This project use ORL database. We implement Nonnegative Matrix Factorization 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.