Institute of Computing Technology, Chinese

Master

EDUCATION BACKGROUND

Wuhan University of Technology	Computer Science	Scholar(2/110)	2011 – 2015
Awards			
Intelligent Traffic Prediction Challenge	1 / 17	16	2017.07 – 2016.08
Kaggle Quora Pair Question Match Contest	31 / 33	604	2016.05 - 2016.07
Ali Music Trends Forecasting Competition	16 / 54	475	2016.05 - 2016.07
Churn Rate Prediction	1 / 200)+	2016.07 - 2016.09
Hotel Production Forecast for the Next 30 Days	1 / 200)+	2016.07 - 2016.09
National Collegiate Mathematical Modeling Con	test First Priz	ze top 1%	2013.09
Internship			

Key Laboratory of Network Data

Didi ChuxingMap DepartmentAlgorithm Engineer Intern

• Be familiar with the framework of line recommendation, developed by pyspark in experimental data

• The link topological structure of road is established, and the traffic condition is excavated by GCN (graph convolutional neural network model)

Ping An Group of China Commercial Real Estate Indoor Positioning Engineer 2014.09 – 2015.01

PROJECT EXPERIENCE

Distributed Information Retrieval System

Core Member

2016.09 – Present

2017.06 - 2017.08

2015 - Present

Written by C ++, the underlying system of multiple systems

- Invert index data structure, supporting for real-time indexing, a new document can be retrieved for no more than 1 minutes
- Support node hot plug, load balancing, construction index exception handling, support document segmentation
- Update improving, delete efficiency, usie Thift framework for communication for transmission higher efficiency
- Use mmseg segmentation algorithm, based on cosine similarity as a basis to sort, use DBSCAN to cluster results

Ctrip Cloud - Division Tournament Big Data Contest

Captain

2016.07 - 2016.09

To predict the daily demand of 500 hotels in February of 2016 according to the historical hotel night volume in one year.

- Abstract as two sub-problems, select the hotel attributes, do the of time window statistics features
- The double-split point based random forest algorithm is better than the normal random forest and XGBoost

Trec 2017 OpenSearch

Captain

2017.04 - Present

A paper sorting system according to the paper search site CiteSeerX feedback information. Obtained the score of 0.133 (logloss), 31/3304 in Quora Match Contest of the same features and model in the just-concluded Kaggle platform

- Build TF-IDF matrix. Do the TSVD, NMF decomposition. Train LDA topic model.
- Train WordToVector, DocToVector and LDAToVector to convert sentences to vector.
- Use wordnet to extract the feature of synonyms, evaluating the similarity by editing distance, cosine distance, etc.
- Total of more than 2000 multi-dimensional features, we use LightGBM, FM, FFM to train.
- Use LSTM and CDSSM. To combine the models, use stacking. DBGD to meet the real-time demand

IT COMPETENCE

• Programming language: Python 、 C++ 、 Java

OTHERS

- blog: http://blog.csdn.net/chedan541300521 (XGBoost source reading notes)
- GitHub: https://github.com/dayuanzi (The double-split point based random forest algorithm)