

Jian Chen

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EDUCATION BACKGROUND

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| Master of Science | Beijing University of Posts & Telecommunications | 09/2014-Present |
| ● Major: Computer Science and Technology | Rank: 12/221 | Avg. Score: 84.6/100 |
| ● Samsung Enterprise Scholarship (1/300). | Excellent Postgraduate Student of BUPT and State Key Laboratory. | |
| Bachelor of Engineering | Beijing University of Posts & Telecommunications | 09/2010-06/2014 |
| ● Major: Computer Science and Technology | Rank: 10/300 | Avg. Score: 89.5/100 |
| ● Recommended to be a postgraduate without exams. | Merit Student and Scholarship of BUPT for four years. | |

INTERNSHIP EXPERIENCES

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| C++ R&D Intern | Baidu-ECOM | FCR-ad Group | 10/2013-03/2015 |
| ● Read the code of IMAS, and realized a function of the long title in ads. It increases the CTR1 0.2% of Ads. | | | |
| ● Read the source code of word2vec, and implement the distributing version in MPI. | | | |
| ● Based on the word2vec of query to train a Max Entropy model to judge the industry of Chinese short query (total 13 kinds), and reached Pre:93%-Rec:90% . It increased the precision and recall of CRF model in recognizing the entity of a query. And it was launched successfully in the on-line project. | | | |
| ● Trained a Convolutional Neural Network based on Paddle to evaluate the semantic smooth degree and integrity degree of a sentence, and reached Pre:76%-Rec:56% in smooth, Pre:84%-Rec:50% in integrity. | | | |

PROJECTS

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| Team Leader | Micro-blog Sentiment Analysis System | 07/2015-03/2016 |
| ● Design a crawler with selenium and xpath to get data from Weibo, then format and stored them in MySQL. | | |
| ● Trained the vector of word by word2vec, and connected all word vector to construct the sentence vector. | | |
| ● Trained deep learning model such as CNNs and LSTM based on the feature of the sentence to analyze the sentiment polarity of micro-blog, and reached Pre:82.5% in CNNs, Pre:80.3% in LSTM, Pre:83.4% in CNNs concat LSTM. | | |
| Team Leader | Ali Mobile Recommendation Competition | 1st:6/7186 2nd: 41/7186 03/2015-07/2015 |
| ● Constructed efficacious features from the history records (over 3 millions) of users' bought behavior (Clicked, Collected, Add Cart and Bought), bought time and merchandise categories. | | |
| ● Trained LR, RF and GBDT based on the above features to forecast whether the user will buy it in someday. At last, we utilize GBRT to combine above models to make a better prediction. | | |
| Algorithm realized | Authenticating Keyword Query for Outsourced Databases | 02/2014-05/2014 |
| ● Realized the MT Tree which union the IR Tree and Merkle Hash Tree based on the spatial text data. | | |
| ● The experiment data is about 130 thousand nodes and we test it in PC. This system spends 760ms to construct the MT Tree and 700ms to respond for query. The result of this project was accepted by DASFAA (CCF-B). | | |

HONORS & AWARDS

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| ● Samsung Enterprise Scholarship (1/300) | 09/2015 |
| ● Alibaba Mobile Recommendation 1st season (6/7186) 2nd season (41/7186) | 07/2015 |
| ● Second prize in The National Undergraduate Electronic Design Contest | 09/2013 |
| ● Honorable Mentions in MCM/ICM | 04/2013 |
| ● Second Prize National Mathematical Contest in Modeling | 09/2012 |

SKILLS & LANGUAGE

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| ● Familiarity with C/C++ and OOP, familiar with Python and Database, awareness of JAVA and Shell. |
| ● Familiarity with basic algorithms, data structure and programing on MapReduce. |
| ● Familiarity with Max Entropy model and common models in ML, awareness of Scikit-learn, Theano and Keras. |
| ● Experience in applications of data mining and feature extraction. |
| ● Native speaker of Mandarin. Passed CET-6. Proficient written and verbal communication skills using English. |
| ● Enthusiastic with Machine Learning, Data Mining and Deep Learning. Be fond of reading related paper and applying Machine Learning in applications. |