

KEYANG XU

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EDUCATION

B.Eng. in Software Engineering, Beihang University

Sep.2011 - Jun.2015

Rank: 1/138; Overall GPA: 3.91/4.0; Major GPA: 3.98/4.0

HONORS AND AWARDS

Beijing Outstanding Graduates Award (Jun.2015)

Nominated for Beihang Gold Medal - best undergraduate student (Nov.2014)

National Scholarship (Oct.2012&Oct.2013)

The First Prize of Academic Scholarship of Beihang University (Oct.2012&Oct.2013)

RESEARCH&PROJECTS EXPERIENCE

Information Retrieval Group, Tsinghua University

Sep.2013 - Jun.2015

Research Assistant

Advised by Dr. Yiqun Liu & Dr. Shaoping Ma

- Revisiting the Evaluation of Diversified Search Evaluation Metrics with User Preferences

- Built the experimental platform to gather user preferences at both topics and subtopics level.

- Illustrated the correlation between multiple IR evaluation metrics and user preferences.

- Proposed MUP method to evaluate the diversified search metrics based on user preferences.

F. Chen, Y. Liu, Z. Dou, **K. Xu**, et al. Revisiting the Evaluation of Diversified Search Evaluation Metrics with User Preferences. The tenth Asian Information Retrieval Societies Conference (Oral Presentation)

- Chinese Subtopic Mining, NTCIR11 IMine Task

Second best results in producing a two-level hierarchy of sub-intents for the ambiguous queries

- Extracted candidates from SogouT search logs and query recommendations with ranking

- Clustered candidates with text features on SERP and name the clusters utilizing ngram on SERP

C.Luo, X.Li, A.Khodzhaev, F.Chen, **K.Xu**, Y.Cao, Y.Liu, M.Zhang, S.Ma, THUSAM at NTCIR-11 IMine Task. Proceedings of the 11th NTCIR Conference.

- Incorporating Sentiment Analysis into Financial Pricing Models for Stock Market Prediction

- Proposed a novel semi-supervised method to predict hourly level stock market trend

- Crawled hourly Web-based signals and incorporates their sentimental results into financial models

Drafted paper: [link](#)

- Predicting User Preference in Heterogenous Web Search Environment

- Combined novel vertical features with organic features for user preference prediction

- Improve the performance of classifier and help to reduce annotation cost for IR evaluation

K.Xu, C.Luo, Y.Liu, M.Zhang, S.Ma. Predicting User Preference in Heterogenous Web Search Environment. The Eleventh Asian Information Retrieval Societies Conference (AIRS2015, under review)

School of Information, University of Michigan

July.2014 - Sep.2014

Research Assistant

Advised by Dr. Qiaozhu Mei

- Analyzing Multiple Medical Corpora with Word Embeddings

- Proposed to analyze multiple medical corpora by constructing medical word space using word2vec

- Completed the core work of classing medical terms and mining relation pairs.

- Casted light on future works that aim to automatically identify peer medical experts or potential diseases

MISCELLANEOUS

Area of Interests

Information Retrieval, Data Mining, Natural Language Processing

Programming

Python, Ruby, C++, Java, Matlab

TOEFL

Total:110/120 (Reading:28, Listening:28, Speaking:26, Writing:28)