Chao **Lv**

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Education

Peking University	M.S. in Computer Science	*Sep. 2014 - Jul. 2017*
Nanjing University	B.S. in Computer Science	*Sep. 2010 - Jul. 2014*

Skills

Programming	Python, C++, C#, Java, Object-C, PHP, Javascript and Lua
English	CET6
Research	Information Retrieval, Deep Learning and Recommender System
Engineering	Software Dev, Web Dev and Mobile Game Dev (IOS/Android/HTML5)

Experience

Research Intern at Microsoft Research Asia (MSRA)

During the internship in MSRA, I mainly focus on recommender system in Personalized Work Assistant. In particular, I extract tags from users' files via a word2vec based algorithm, then use these tags to reflect the interest distribution of users and files. For a target user, I will recommend related users, files and news to him based on interest distribution similarity.

Development Engineer Intern at Yisiyidian Inc.

Developed main game scenes of word-matching App based on cocos2d-x. Designed the word matrix generation algorithm and the word occurrence rule which followed knowledge forgetting curve. Meanwhile, developed the word input system which offers input auto-complete, paraphrase recommendation and example sentence recommendation functions.

TREC2015 Twitter Recommendation

In this competition, we use a real-time clustering method to do events cluster via detecting tweets stream, and push popular tweets to users. We keep a push history at the same time to avoid similar tweets been pushed. We win the championship in the end.

TREC2014 Twitter Retrieval

In this competition, we use lots of query expansion methods to retard mismatch problem. Different retrieval models are combined via ranking learning. Meanwhile, low quality tweets are filtered from retrieval results. We win the championship in the end.

Ali Mobile Recommendation Competition

In this competition, I extract features from billions of data about user history behaviors on OPDS platform, to find the shopping pattern via machine learning, and predict what users will buy in the future. Top26 in the end.

Publications

· **Chao Lv**, Lili Yao, Yansong Feng and Dongyan Zhao. Improving Collaborative Filtering with Long-Short Interest Model. *NLPCC 2016.*

· **Chao Lv**, Yansong Feng and Dongyan Zhao. Purchase Prediction via Machine Learning in Mobile Commerce. *NLPCC 2016.*

· **Chao Lv**, Runwei Qiang, Feifan Fan and Jianwu Yang. Knowledge-based Query Expansion in Real-Time Microblog Search. *AIRS 2015.*

· **Chao Lv**, Runwei Qiang, Lili Yao and Jianwu Yang. EEST: Entity-driven Exploratory Search for Twitter. *AIRS 2015.*

· **Chao Lv**, Feifan Fan, Runwei Qiang, Yue Fei and Jianwu Yang. PKUICST at TREC 2014 Microblog Track: Feature Extraction for Effective Microblog Search and Adaptive Clustering Algorithms for TTG. *TREC 2014.*