

Chao Lv

☎ (+86) 135-2036-6380 | ✉ lvchao@pku.edu.cn | 🏠 ziaolang.github.io | 📱 ziaolang | 🌐 chaolv

Education

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

Skills

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| 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

Microsoft Research Asia Internship

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.

TREC2015 Twitter Recommender

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**, 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*.
- Yue Fei, **Chao Lv**, Yansong Feng and Dongyan Zhao. Real-time Filtering on Interest Profiles in Twitter Stream. *JCDL 2016*.
- Feifan Fan, Yue Fei, **Chao Lv**, Lili Yao, Jianwu Yang and Dongyan Zhao. PKUICST at TREC 2015 Microblog Track: Query-biased Adaptive Filtering in Real-time Microblog Stream. *TREC 2015*.
- Feifan Fan, Runwei Qiang, **Chao Lv** and Jianwu Yang. Improving Microblog Retrieval with Feedback Entity Model. *CIKM 2015*.
- Feifan Fan, Runwei Qiang, **Chao Lv**, Wayne Xin Zhao and Jianwu Yang. Tweet Timeline Generation via Graph-based Dynamic Greedy Clustering. *AIRS 2015*.