

# Lei Yu

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## 🎓 EDUCATION

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**University of Chinese Academy of Sciences (UCAS)**, Beijing, China 2014 – Present

*Ph.D candidate* in Machine Learning and Nature Language Processing, expected 2017

**Tsinghua University**, Beijing, China

2009 – 2012

*M.S.* in Software Engineering

**Xi'an Jiao Tong University (XJTU)**, Shaanxi, China

2004 – 2008

*B.S.* in Industrial Design

## 👤 WORKING EXPERIENCE

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**Institute of Software of Chinese Academy of Sciences (ISCAS)** Beijing, China 2015 – Present

1. *Assistant Professor* Research Field: Knowledge Graph Representation

2. *Department Manager* - **Sinoparasoft Co.,Ltd.** (controlling stake owned by ISCAS)

Combining embedding power with logic in knowledge graph representation

- Knowledge graph research, one paper on the way
- Unified Data transfer platform for Chinese Printing and Publishing Industry
- Car industry analysis for Toyota Beijing

**Institute of Software of Chinese Academy of Sciences (ISCAS)** Beijing, China 2013 – 2014

1. *Research Assistant* Research Field: Topic Models, Fisher Vector

2. *Team leader* - **Sinoparasoft Co.,Ltd.** (controlling stake owned by ISCAS)

Brief introduction: xxx.

- Collaborative with NTT Data on topic SNS mining
- Lenovo keyword extraction project
- Confucius Institute Online Class Recommendation System
- Confucius Institute Online UGC keyword filter system

**Sogou Inc.**

07/2012 – 05/2013

*Research Assistant* Computing Advertising, CTR prediction

Brief introduction: Feature engineering to improve the click-through-rate of sponsored advertising systems. Tools: Hadoop, C++, SVN, R

- Implemented user personalized feature
- AUC xxx 4%%
- Thousands of RMB daily promoting

**L<sup>A</sup>T<sub>E</sub>X résumé template**

May. 2015 – Present

*L<sup>A</sup>T<sub>E</sub>X, Maintainer* Individual Projects

An elegant L<sup>A</sup>T<sub>E</sub>X résumé template, <https://github.com/billryan/resume>

- Easy to be further customized or extended
- Full support for unicode characters (e.g. CJK) with XeL<sup>A</sup>T<sub>E</sub>X
- FontAwesome 4.3.0 support

## ⚙ SKILLS

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- Programming Languages: C == Python > C++ > Java
- Platform: Linux
- Development: Crawler, Python-C interface

## 📖 PAPERS AND PATENTS

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- Wenjing Ma, Liangliang Cao, Lei Yu, et al, Realtime Fisher Vector and Its Applications, WACV2016 *Submitting*
- Shuzi Niu, XXX, Lei Yu, et al, Listwise Approach for Rank Aggregation in Crowdsourcing, WSDM 2015
- Ning Bu, Lei Yu, et al, Detect Similar Mobile Applications with Transfer Learning, DataCom 2015
- Zhenhua Wu, Lei Yu, et al, Computing Continuous Distributed Words Representations on GPU, HPC China 2014
- Patent - A dynamic topic detection and tracking method on Weibo SNS dataset, 2013 (*under review*)
- Patent - An entity relation extraction method based on deep learning, 2013 (*under review*)
- Patent - A multi-granularity sentiment analysis on specific open-domain, 2013 (*under review*)
- Patent - An unsupervised word sense disambiguation method base on deep learning, 2013 (*under review*)

## 📌 MISCELLANEOUS

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- Blog: <http://your.blog.me>
- GitHub: <https://github.com/ylqfp>
- Languages: English - Fluent, Mandarin - Native speaker