Lei Yu

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🎓 EDUCATION

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

On-job Ph.D. candidate in Nature Language Processing and Machine Learning, Advisor: Le Sun, 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

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)

Brief introduction: Assistant Professor in ISCAS, co-advising master students. Department manager responsible for Big data / Enterprise Information System related projects and business in Sinoparasoft.

- Research: Combining embedding with logic power for knowledge graph representation
- Research: Fisher vector in text mining
- Project: Unified Data transfer platform for Chinese Printing and Publishing Industry
- Project: 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: Research Assistant in ISCAS, lead some projects related to big data.

- Research: Collaborative with NTT Data on topic SNS mining
- Project: Lenovo keyword extraction project
- Project: Confucius Institute Online Class Recommendation System
- Project: 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.

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

Baidu Inc.   07/2011 – 05/2012

Software Engineering Intern   Computing Advertising Group

Developing different kinds of text processing models based on Hadoop.

📕 Papers And Patents

- Wenjing Ma, Liangliang Cao, Lei Yu, et al, Realtime Fisher Vector and Its Applications, WACV2016 *Submitting*
- Shuzi, Yanyan, Jiafeng, Xueqi, 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

- Programming Languages: C == Python > C++ > Java
- Platform: Linux
- Languages: English - Fluent, Mandarin - Native speaker
- Personality: I'd like to describe me as a life-learner and always ready to challenge myself. I love machine learning and nature language processing. I'm earnest, energetic, very hard-working, always willing to sharing, open-minded, kind-hearted, optimistic.

📍 Activites

- Participating in ACL Beijing 07/2015
- Visiting NTT-DATA Japan in 12/2013 and 05/2015 for collaborative research
- Baritone in Tsinghua Chorus from 2009 to 2011
- Teaching 60-70 college students on how to master design software(CorelDraw), 32 hours in 4 months in Xijing University in 2006
- Voluntary blood donation for several times since 2004

♡ Entertainments

- Dubbing for several small advertisement videos
- Part-time singing in pub in spare time
- Reading and sharing
- Swimming, outdoor sports