

YUESHEN XU

Room 422, Yuquan Campus
Department of Computer Science
Zhejiang University
Hangzhou, China

Office No.: +(86) 0571-81951139
Mobile No.: +(86) 18868818132
Email: xyshzjucs@zju.edu.cn

BIOGRAPHY

Yueshen Xu is a fifth-year Ph.D. student under the supervision of [Prof. Jianwei Yin](#), in the College of Computer Science and Technology of [Zhejiang University](#). He was a visiting Ph.D student under the supervision of [Prof. Bing Liu](#), in the Department of Computer Science, [University of Illinois at Chicago](#), during 2014.9 ~ 2015.9.

His research interests include Recommender System, Text Mining and Natural Language Processing. He has published several papers in international conferences and journals, including WISE, WAIM, EAAI, IJWGS, SCC, ACM DEBS, AMIS, etc. He also has several papers being under review. Besides, he participated in several projects in collaboration with his colleagues. He was an intern as an data mining engineer at NetEase, designing recommendation algorithms for [NetEase Reading](#).

EDUCATION and WORK

- **The University of Illinois (Chicago)**—Chicago, USA
Visiting Scholar: Sept. 2014 – Sept. 2015
 - Under the supervision of Prof. Bing Liu
 - (Hierarchical) Topic Modeling in Multi-domain Corpus
- **Netease**—Hangzhou, China
Intern as an data mining engineer: Oct. 2013 – Jan. 2014
 - Designing recommendation algorithms for NetEase Reading
- **Zhejiang University**—Hangzhou, China
Pursuing Ph.D. degree in Computer Science and Technology: Sept. 2011 – Jul. 2016 (prospective)
 - Under the supervision of Prof. Jianwei Yin
 - Recommender System and Service Computing
- **University of Electronic Science and Technology/XiDian University**—Xi'an, China
B. S. in Software Engineering: Sept. 2007 – Jul. 2011
 - Thesis: *Design and Implementation of a Vertical Search Engine (oriented to E-Commence)*, under the supervision of Prof. Jianwei Yin and Prof. Shuping Zhang
 - Awarded XiDian University outstanding undergraduate thesis
 - GPA: 3.70/4.0; Rank: 2/358

RESEARCH TOPICS

- **Text Mining and NLP**
 - Topic Modeling (pLSA, LDA, nCRP, etc.) & Non-parametric Bayesian

- Learning in Multi-corpus and Lifelong Learning
- Pólya urn model and Variational Inference
- User Generated Content
- MCMC & Gibbs Sampling

- **Recommender System**

- Recommendation Algorithm & Service Recommendation
- (Probabilistic) Matrix Factorization & Latent Factor Model & Collaborative Filtering
- QoS Prediction & Context-aware Service Recommendation & Clustering
- Gradient Descent & Coordinate Descent

JOURNAL PAPER

- [Under Review] **Yueshen Xu**, Jianwei Yin, Shuiguang Deng. About Service Recommendation
- [EAAI] **Yueshen Xu** and Jianwei Yin. Collaborative Recommendation with User Generated Content. In *Engineering Applications of Artificial Intelligence (EAAI)*, Jul. 2015. [Impact Factor = 2.207]
- [IJWGS] **Yueshen Xu**, Jianwei Yin and Ying Li. A Collaborative Framework of Web Service Recommendation with Clustering-Extended Matrix Factorization. In *International Journal of Web and Grid Services (IJWGS)*, Jul. 2015. [Impact Factor = 1.579]
- [IJWGS] Jianwei Yin(My Tutor), **Yueshen Xu**. Personalized QoS-based Web Service Recommendation with Service Neighborhood-Enhanced Matrix Factorization. In *International Journal of Web and Grid Services (IJWGS)*, Oct. 2013. [Impact Factor = 1.579]
- [AMIS] Yanming Ye, Yuyu Yin, **Yueshen Xu**, Bin Cao, Jianwei Yin. BFS Sequence Based Method for Process Retrieval. In *Journal of Applied Mathematics and Information Sciences (AMIS)*, Nov. 2013. [Impact Factor = 1.232]
- [TSWJ] Yanming Ye, Jianwei Yin, **Yueshen Xu**. Social Network Supported Process Recommender System. In *The Scientific World Journal (TSWJ)*, Nov. 2013. [Impact Factor = 1.730]
- [CMNT] Yanming Ye, **Yueshen Xu**, Zhilin Feng. Tag-based Process Recommendation for Social Business Process Modeling. In *Computer Modelling and New Technologies*, Jun. 2014. [EI]

CONFERENCE PAPER

- [Under Review: AAAI] **Yueshen Xu**, Bing Liu, etc. About Hierarchical Topic Modeling
- [Under Review: PAKDD] **Yueshen Xu**, Bing Liu, etc. About Topic Modeling
- [WAIM] **Yueshen Xu**, Zhiyuan Chen, Jianwei Yin, Zizheng Wu, Taojun Yao. Learning to Recommend with User Generated Content. In *Proceedings of International Conference on Web-Age Information Management (WAIM)*, Jun. 2015. [Rank3]

- [WISE] **Yueshen Xu**, Jianwei Yin, Wei Lo, Zhaohui Wu. Personalized Location-Aware QoS Prediction for Web Services using Probabilistic Matrix Factorization. In *Proceedings of International Conference on Web Information System Engineering (WISE)*, Oct. 2013. [Rank3]
- [SOCA] **Yueshen Xu**, Jianwei Yin, Wei Lo. A Unified Framework of QoS-based Web Service Recommendation with Neighborhood-Extended Matrix Factorization. In *Proceedings of IEEE International Conference on Service Oriented Computing and Applications (SOCA)*, Hawii, USA, Dec. 2013. [EI]
- [SCC] Yu Liu, Dongjin Yu, **Yueshen Xu**, Yuyu Yin. Personalized QoS Prediction for Web Services using Latent Factor Models. In *Proceedings of International Conference on Services Computing (SCC)*, Jun. 2014. [Rank3]
- [DEBS] Bin Cao, Jianwei Yin, ShuiGuang Deng, **Yueshen Xu**, Youneng Xiao, Zhaohui Wu. A highly efficient cloud-based architecture for large-scale STB event processing, In *Proceedings of ACM International Conference on Distributed Event-Based Systems (DEBS)*, Jul. 2012. [EI]

PATENT

- Jianwei Yin, **Yueshen Xu** etc. A Prediction Method for Web Service QoS based on Geographical Information, China Patent, submitted and accepted.
- Jianwei Yin, **Yueshen Xu** etc. A Prediction Method for Web Service QoS with the Assistance of Service Neighborhood, China Patent, submitted and accepted.

PROJECT EXPERIENCE

- **A Vertical Search Engine Oriented to E-Commence—**
May. 2011 – Sept. 2011
– Skill: Hadoop, Lucene, Webharvest, XML, JSP
- **A Real-Time Pub-Sub System for IPTV—**
Oct. 2011 – Feb. 2012
– Skill: Opensplice DDS (Data Distribution Service)
- **A Healthcare Service Platform for Senior Citizens—**
Mar. 2012 – Jul. 2012
– Skill: Spring, Hibernate, MongoDB, Nginx, MySQL

SELECTED AWARDS

- Visiting Scholar sponsored by China Scholarship Council, 2014-2015.
- Second-class Award of Honor for Postgraduate, Zhejiang University, 2012.
- Postgraduate Studentship, Zhejiang University, 2011-2016.
- Awarded the title of graduate with honor of XiDian University, XiDian University, 2011.
- Awarded the title of graduate with honor of ShaanXi Province, ShaanXi Province, 2011.

- Awarded National Scholarship for Undergraduate, Ministry of Education, 2010.
- Second-class Award of Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM), China Society for Industrial and Applied Mathematics, 2009.
- Awarded National Scholarship for Undergraduate, Ministry of Education, 2009.
- Awarded Grand Scholarship for Undergraduate, XiDian University, 2008.
- Awarded First-class Scholarship for Undergraduate, XiDian University, 2008.

PROFESSIONAL ACTIVITIES

- **Journal Reviewer**
 - International Journal of Web and Grid Services
 - Enterprise Information Systems
- ACM student member, since 2012.
- CCF student member, since 2012.