Xiaohang Lu

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EDUCATION **Peking University**, Beijing, China *Sept. 2013 - Jun. 2017 (Expected)*

Department of Information Management

- Major: Information Management and Information System
- Overall GPA: 3.71/4.0; Rank: **1/38**
- Coursework: Human-Computer Interaction and User Experience, Management Information System, Information Storage and Retrieval, Multi-media Technology, Database Systems, The Organization of Information

School of Electronics Engineering and Computer Science

- Major: Computer Science and Technology
- Coursework: Data Structure and Algorithm, Operation Systems, Discrete Mathematics, Computer Networks, Computer Graphics

PUBLICATION **Xiaohang Lu**, Junjie Huang, Shengqing Wang, Wenguang Chen, Zengwang Yan "Prediction Methods & Prediction Point Investigation of MOOC Dropout Based on Data Analysis" *Database Systems for Advanced Applications (DASFAA) 2017*, under review

RESEARCH EXPERIENCE **Dropout Analysis in MOOC** *May 2015 - Present*
Co-Supervised by Profs Wenguang Chen, Danqun Zhao & Shengqing Wang
Team Leader of 3, Designer & Principal Developer

- Based on the data generated by a Peking University courses in Coursera, explored the main reasons leading to students drop-out in MOOC.
- Designed multiple machine learning classifiers, using SVM, based on log data extraction and eigenvector, applied sliding window to predict learner behaviors.
- Built correlation math model based on features of those completing a whole course, from URL analysis.
- Proposed a new drop-out predicting model to effectively forecast those behaviors and then facilitate teachers to give right corresponding instructions.

INTERNSHIP **Shenzhen Xiaolajiao Intelligent Ecological Technology Co., Ltd.** *Summer 2016*

- Summarized literatures of conceptions about smart phones for old people and participated in its product design, including user investigation, questionnaire design and product details design.
- Conducted analysis for competitive products and interviews of potential users, and developed a special weather App for old people.
- Analyzed interests of old people, selected programs interested to them from FM Apps, and designed a news App for them.

COMPETITION EXPERIENCE **Knowledge Analysis and Clustering on Socialized Q&A System - Take Zhihu (Chinese Version of Quora) for Example** *Oct. 2015 - Apr. 2016*
1st Prize in Department of Information Management, Peking University Challenge Cup - Youth Day Science Award Competition

- Introduced approaches of information organization and bibliometric analysis in reference management into the investigation on Socialized Q&A System.

Image Recognition and Translation Based on English Menu *Oct. 2014 - Apr. 2015*
1st Prize in Department of Information Management, Peking University Challenge Cup - Youth Day Science Award Competition

- Developed an App to recognize and translate words in an image, via the recognition method based on sliding window.
- Designed UI by Axure RP.

SELECTED PROJECTS	**Eco-Hero**
	• An App contained environmental protection knowledge and games to promote environmental consciousness, and provided an opportunity for children and their parents for cooperation.
	Garbage GO!
	• An App introduced environment-friendly methods to dispose daily rubbish, and also contained social platform to encourage users to display their handicrafts made by rubbish.
	Maybe: creative website
	• A website contributed to public service advertisement in China and focused on increasing involvement in commonweal.
	San Wei Bookstore
	• A bookstore system, based on 3NF Database Structure, implemented high efficient searching and privilege separation and data encryption for system security.
	Online Bookstore in Douban
	• A bookstore system contained Hybrid Recommendation System (i.e. UserCF algorithm, ItemCF algorithm) and fitted into Big Data context.

Honors & Awards	**GuangHua Scholarship**	*2015 - 2016 Academic Year*
	Pacemaker to Merit Student in Peking University	*2015 - 2016 Academic Year*
	Scholarship for Outstanding Academic Record	*2014 - 2015 Academic Year*
	Robin Li Scholarship	*2013 - 2014 Academic Year*

SERVICE	**Teaching Assistant, Course Computer Networks**	*2016*
	• Corrected students' homework and papers, solved students' technical questions.	
	Captain, College Basketball Team	*2014 - 2016*
	• Conducted a deep research into different tactics and led team to achieve the currently best results.	
	Student Assistant, Department of Information Management	*2015 - 2016*
	• Collected application forms and managed applicants' information.	
	Participant, Social Research in Shaanxi Province	*2016*
	• Interviewed local people about mobile science museum project and summarized their feedbacks as a report.	
	Class Advisor, Summer Camp for Excellent Middle School Students	*2015*
	• Carried out campus visit and introduced Peking University to all attending students.	
	Volunteer, The Great Relay International Marathon, Xiangshan Site	*2015*
	• Maintained public order and distributed supplies for the participants.	
	Volunteer, International Conference of Information Capital, Property and Ethics	*2014*
	• Distributed pamphlets for the members involved and answered their questions.	

SKILLS	• Language: English (bilingual proficiency), Chinese (native)
	• Computer Language: C/C++, JAVA, PHP, Python, HTML
	• Application: Office, Axure RP, InDesign