Zheng Gao

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OBJECTIVE

Academic:	To pursue my PhD study in Information Science to learn cutting-edge techniques in the processing of information, and particularly to tap my potential on the study of information retrieval and data mining
Professional:	To be a researcher who devotes into the research of information; to get equipped with information retrieval and data mining skills as well as insights; to expand the interaction between human and computer
Research Interests:	Information retrieval,Data mining, NLP, Machine learning

EDUCATION

2015-current   **Indiana University Bloomington**   Bloomington, IN, United States
- Ph.D in Information Science
- Advisor: professor Xiaozhong Liu

2013-2015   **University of Pittsburgh**   Pittsburgh, PA, United States
- Master of Science in Information Science
- GPA: 3.75/4.0

2009-2013   **Shanghai International Studies University**   Shanghai, China
- Bachelor of Science in Information Management & Information System
- GPA: 3.15/4.0

SKILLS

Technology:	Java, R, Python, JavaScript(JQuery, D3.js), HTML(Bootstrap), JSP, PHP, SQL, Ajax
Programming Tool:	MySQL, SQL server, Dreamweaver, Eclipse, Myeclipse, Netbeans, Neo4j, Visual Studio, MongoDB, Amazon AWS

PUBLICATIONS

11/2014
- **Zheng Gao**, Rui Bi. *University of Pittsburgh at TREC 2014 Microblog Track.* In TREC(Text REtrieval Conference), 2014

CONFERENCES

11/2014
- **2014 TREC Conference**(held by NIST)

RESEARCH EXPERIENCE

08/2014-12/2014   **Collaborative Search**   Core Participant
- Followed Dr. Daqing He to create retrieval model to optimize Google retrieval result under collaborative search condition.
- Used own system called *Collaborative System* through which users formed into groups to finish a task . Collected the group's action information such as clickthrough history, query history and snippets saved by users.

- Built own retrieval model by using KL-Divergence and Bayesian estimation method.
- Marked different types of information as different features into the retrieval model to optimize Google result under collaborative condition.
- Technologies: Java, Lucene
- Area: Information retrieval, data mining

08/2014-12/2014   **Vshare**   Project Principal

- Followed Professor Rosta Farzan to create a social networking website named *Vshare* by myself, which is aimed at recording user's personal volunteer work and goal. In the website, users can create their own accounts and manage personal profile. They can also add posts about their volunteer works and set up volunteer goals in the website.
- Technologies: Java, JavaScript(JQuery), JSP, Bootstrap,PHP,MySQL,Ajax
- Area: Human computer interaction, social computing

06/2014-08/2014   **2014 TREC(Text REtrieval Conference)**   Project Principle

- Attended microblog track, which is an ad hoc task of short document and aims at retrieving most relevant tweets from twitter based on specific queries by using given twitter collection. Built a retrieval model based on classic retrieval model such as BM25 to modify the search result based on Lucene.
- Published a paper named *University of Pittsburgh at TREC Microblog Track 2014* for microblog track in 2014 TREC Conference.
- Technologies: Java, maven, git, Python,Lucene, Google API
- Area: Information retrieval

09/2013-01/2014   **Center for Historical Information and Analysis (CHIA)**   Core Participant

- Funded by National Science Foundation(NSF)
- Followed Professor Vladimir Zadorozhny to develop a database system named *Colfusion*. *Colfusion* is a data analysis engine. Developed the sub task focused on provenance. Used Java to extract data files' provenance information and import information into RDF file. Visualized RDF file content by using open provenance model(OPM) to show inner relationship between different data file.
- Technologies:Java, JavaScript(Knockout.js,JQuery), PHP, SVN, Redmine
- Area: Database, data analytics

PROFESSIONAL EXPERIENCE

06/2012-09/2012   **Bank of China, Hebei, China** (Fortune Global 500)   Intern

- Connected with technique department such as China Mobile (CMCC)
- Took the responsibility of daily economical data backups
- Daily management of call center and message platform, Supervised daily data storage.

01/2012-02/2012   **Ernst & Young, Shanghai, China**   Intern

- Audited six sub-companies of Shanghai Electric Group, checked their accounting history bills and their inventory.
- Provided the final audit reports of these companies both in Chinese version

and in English version.

11/2011-01/2012	**Frankfurt Exhibition Company, Shanghai, China** (Global Top 10 Exhibition Enterprise) Intern

- Organized ISH China & CIHE (the biggest exhibition of sanitation area in China) held in Beijing
- Connected with exhibitors to make sure exhibition booth and fees.
- Sold 500-square meter booth to prospective exhibitors, which worth half a million RMB(Chinese Dollar).

07/2011-08/2011	**China Construction Bank, Hebei, China** (Fortune Global 500) Intern

- Translated daily English documents and reports
- Updated daily data to the system backup

HONORS AND AWARDS

2015-2017	T'ung-li Yuan Memorial Fellowship (Indiana University Bloomington)
10/2014	iSchool Travel Fund (School of Information Science, University of Pittsburgh)
10/2014	GPSG Travel Fund (University of Pittsburgh)
01/2013	The Second Prize of School Comprehensive Scholarship (Shanghai International Studies University)
01/2011,06/2012	The Third Prize of School Comprehensive Scholarship (Shanghai International Studies University)
12/2010	"Excellent Volunteer" (Shanghai International Studies University)
12/2010	"First Hyundai Marketing Competition" Top 12 of China (Hyundai Motor Company)

CAMPUS ACTIVITIES

02/2011-09/2011	President of Voluntary Corporation in Shanghai International Studies University
02/2011-06/2013	Assistant of School of Business and Management in Shanghai International Studies University
09/2010-10/ 2010	Executive volunteer of Shanghai 2010 World Expo
07/2011	Participated in educational outreach program in Xinjiang, China
06/ 2010-07/ 2010	Participated in educational outreach program in Jiangxi, China