Chen Huang

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Education

Ph.D., Information System, **University of Maryland**, College Park, USA, March, 2015 (Expected), GPA: 4/4

M.S., Information Science, **University of Michigan**, Ann Arbor, USA, 2009, GPA: 3.8/4

B.E., Software Engineering, **Beihang University**, Beijing, China, 2007, GPA: 3.6/4

Research Experience

Content Diffusion in Social Media   2012–Present

- Used Poisson hurdle regression model to study content topics' impact on retweets and click-through of URLs in Twitter.
- Built ensemble text classifiers using Decision Trees and Naive Bayes to classify URLs' content topics, achieved over .8 precision & recall.
- Conducted qualitative studies to identify users' motivations to use micro-blogging for disaster response.
- *Skills*: Python, R, SQL, Shell.

Science & Innovation Concept   2009–2014
Knowledge-base
(http://stick.ischool.umd.edu)

- Built ETL pipelines to extract IT innovation articles from online press release, US patent databases, and trade magazines.
- Constructed and maintained a semantic-web that contains 8 major IT innovations, 160 sub-concepts and over 5k entities.
- Studied entity extraction from text with named entity recognizer and crowd-sourcing annotations.
- Used Linear regression model to study community network features' impact on IT innovations' evolution.
- *Skills*: Python, R, SQL, Shell, NodeXL.

Computational Linguistic & Information   2008–2009
Retrieval Package
(http://www.clairlib.org)

- Studied text summarization with graph-based algorithms.
- Maintained and implemented algorithms for Clairlib (version 1.04-1.06), an open source Information Retrieval package.
- System administrator of the lab servers and open source projects.
- *Skills*: Perl, C++ , Shell.

Work Experience

Adobe
Research Intern   Summer, 2011

- Designed and implemented an interactive visualization to identify user actions that impact click-through.
- Applied the prototype to provide traffic analysis on over 100 million monthly click records.
- *Skills*: d3.js, JQuery, Javascript, Java, SQL, Hadoop.

Pitney Bowes
Research Intern   Summer, 2010

- Designed prototypes for online review sentiment analysis and summarization.
- Applied prototypes on yelp, facebook and twitter to provide service feedbacks to online small businesses.
- *Skills*: Java, Javascript/HTML/CSS.

Epic Systems

Software Engineer   Summer, 2009
- Trained and worked on refining Epic's health-care information system back-end, which is used by major university hospitals.
- *Skills*: VB.

Publications

Chen Huang, "Understanding the Relation between Reposts and Clicks for Business Information in Micro-blogging", to submit to Journal of the Academy of Marketing Science

Chen Huang, Ping Wang, Yan Qu "Diffusion of IT Innovations via Social Media: Studying a Chinese Micro-blog Community", Academy of Management 2012, Boston, MA, 2012

Yan Qu, Chen Huang, Pengyi Zhang, Jun Zhang "Microblogging after a Major Disaster in China: A Case Study of the 2010 Yushu Earthquake," *CSCW 2011*, Hangzhou, China, 2011

Yan Qu, Chen Huang, Pengyi Zhang, Jun Zhang "Harnessing Social Media in Response to Major Disasters," *CSCW 2011 Workshop: Designing Social and Collaborative Systems for China*, 2011

Pengyi Zhang, Yan Qu, Chen Huang "The Role of Innovation Governance and Knowledge Management for Innovation Success," *HICSS 2011*, HI, US, 2011

Pengyi Zhang, Yan Qu; Chen Huang and et. al. "Collaborative Identification and Annotation of Government Deep Web Resources: A Hybrid Approach," *Hypertext 2010*, Toronto, Canada, 2010

Skills

- Proficient: Python, R.
- Prior experience: Java, Javascript, Bootstrap, AngularJS, JQuery, C/C++ , Perl, SQL, Shell, HTML, CSS, LaTex.
- Courses taken at graduate-level: Artificial Intelligence, Human-Computer Interaction, Natural Language Processing, Computational Linguistics, Social Network Analysis and Information Retrieval.
- Native: Chinese, full professional proficiency: English, limited working proficiency: Spanish.

Professional Services

- Reviewer: Computer-Supported Cooperative Work (CSCW), International Conference on Information Systems (ICIS), Academy of Management (AOM).
- Student Volunteer: CHI, MobileHCI, ASIST.
- Department Doctoral Committee Member 2012-2013.
- Department Faculty Search Committee Member 2013-2014.

Awards

- 2013-2014 Department Fellowship, School of Information, University of Maryland.
- 2011 Jacob K. Goldhaber Travel Grant, University of Maryland.
- 2010-2011 Dean's Fellowship, University of Maryland.
- 2007-2009 Department Merit Scholarship, University of Michigan.
- 2007 Young Talent Award of Beijing (for earning Bachelor's degree with top academic record under age of 20).
- 2005-2007 People's Scholarship, Beihang University.
- 2005&2006 Beijing International Marathon.