

MEEN CHUL KIM | CURRICULUM VITAE

Doctoral Student, College of Computing and Informatics, Drexel University
Center for Visual & Decision Informatics
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EDUCATION

2013 - **Doctoral Student in Information Studies**

College of Computing and Informatics
Drexel University, Philadelphia, PA
#Doctoral Graduate Research Assistant

2012 **MA in Library and Information Science**

Department of Library and Information Science
Yonsei University, Seoul, Korea
Thesis: A Study on Building a Library Portal for People with Disabilities Based on
Analysis of User Behavior

2010 **MS in Library and Information Science**

School of Library and Information Science
Simmons College, Boston, MA
#ALA Beta Phi Mu Honor Society Member

2007 **BA in Library and Information Science**

Department of Library and Information Science
Yonsei University, Seoul, Korea
#Student of High Honor

RESEARCH INTERESTS (in Alphabetical Order)

Computing Education, Data Science, Educational Technology, Human Centered Computing, Interactive Systems, Learning Analytics, Learning Science & Technology, Machine Learning, Social Computing, Visual Analytics, Web & Social Media Mining

WORK EXPERIENCES

Sep 2015 - Present	Position: Doctoral Graduate Research Assistant Institution: Drexel University Computing Education Research (CER): openHTML, a Scaffolded Web Development Tool to Support Elementary Computational Literacy
Jun 2015 - Aug 2015	Position: Doctoral Graduate Research Assistant Institution: Drexel University Healthcare Consumer Contributed Drug Post-marketing Surveillance System Development (Available at: http://129.25.6.155:5000)
Sep 2013 - May 2015	Position: Doctoral Graduate Research Assistant Institution: Center for Visual & Decision Informatics @ Drexel University Year-2 Project: Scalable Visualization, Gap Analytics, and Link Prediction for Multiple Big Data Industry Sectors Year-3 Project: Multi-Level and Multi-Source Visual Analytics of Evidence-Based Diffusion Processes
Jul 2012 - Aug 2013	Position: Research Associate Institution: Text & Social Media Mining Lab @ Yonsei University Project: Cohesive Ecology of the Cyber Community - A Social Media-driven Approach
Aug 2012 - Dec 2012	Position: Assistant Researcher Institution: Department of Library and Information Science @ Yonsei University Project: The National Library of Korea Online Collection Development Policy
Nov 2010 - May 2012	Position: Systems Administrator; Electronic Records Management Specialist Institution: KOrea Disabled people's Development Institute (KODDI) Duty: Managing institutional systems and digital records
Sep 2010 - Nov 2010	Position: Assistant Researcher Institution: IRiS.net Project: Information Strategy Planning of Building Total Information Network for Persons with Disabilities
May 2010 - Jun 2010	Position: Internship Institution: Archives & Special Collections Dept., Snell Library, Northeastern Univ. Duty: Pre-processing appraising, and digitizing archival materials
Mar 2010 - May 2010	Position: Internship Institution: Historical & Special Collections Dept., Law School Library, Harvard Univ. Duty: Building online finding aids (XML) for pictorial and historical materials

Mar 2008 Position: Graduate Assistant
 - Aug 2009 Institution: Department of Library and Information Science @ Yonsei University
 Duty: Teaching assistant, research assistant, and technical support

TECHONOLOGICAL PROFICIENCY

Generic & Script	Java, Python, Ruby , JavaScript
DB Management	(Structured) MySQL, Oracle (Non-structured) MongoDB, Redis (Graph) Neo4j
Distributed Computing	Hadoop, Spark
Cloud Platform	AWS EC2 (Linux)
Web Framework	Rails/Sinatra, Django/Flask, Node.js Express, Angular.js, JSP/Servlet
Statistics	R, SPSS
Visualization	D3.js, Gephi, CiteSpace, Pajek, Tableau, RAW

REFREED PUBLICATIONS

Journal Papers

- 2015 **Kim, M. C.**, Zhu, Y., and Chen, C. (2015). How are they different? A quantitative domain comparison of information visualization and data visualization. *Scientometrics*. Accepted.
[#web mining](#); [#visual analytics](#); [#network analysis](#)
- Kim, M. C.**, and Chen, C. (2015). A scientometric review of emerging trends and new developments in recommendation systems. *Scientometrics*, 104(1): 239-263.
[#recommendation systems](#); [#visual analytics](#); [#network analysis](#)
-
- 2014 Chen, C., Dubin, R., and **Kim, M. C.** (2014). Orphan drugs and rare diseases: A scientometric review (2000-2014). *Expert Opinion on Orphan Drugs*, 2(7): 709-724.
[#web mining](#); [#visual analytics](#); [#healthcare informatics](#)
- Chen, C., Dubin, R., and **Kim, M. C.** (2014). Emerging trends and new developments in regenerative medicine: A scientometric update (2000-2014). *Expert Opinions on Biological Therapy*, 14(9): 1295-1317.
[#web mining](#); [#visual analytics](#); [#healthcare informatics](#)

Song, M., **Kim, M. C.**, and Jeong Y. K. (2014). Analyzing the political landscape of 2012 Korean presidential election in Twitter. *IEEE Intelligent Systems*, 29(2): 18-26.
[#social media mining](#); [#data science](#); [#machine learning](#)

Kim, M. C., Jeong Y. K., and Song, M. (2014). Investigating the integrated landscape of the intellectual topology in the domain of bioinformatics. *Scientometrics*, 101(1): 309-335.
[#big data](#); [#network analysis](#); [#information visualization](#)

2013 **Kim, M. C.**, Shim, K. S., Han, N. G., Kim, Y. E., and Song, M. (2013). Automatic classification of malicious usage on Twitter. *Journal of Korean Society for Library and Information Science*, 47(1): 269-286.
[#social media mining](#); [#data science](#); [#machine learning](#)

Kim, M. C., and Lee, J. Y. (2013). A study on analyzing the disabled-related information behavior. *Journal of Korea Society for Information Management*, 30(2): 169-188.
[#user experience](#); [#user behavior](#); [#digital library](#)

Hahm, J. E., Kim, S. Y., **Kim, M. C.**, and Song, M. (2013). Exploring indexer's effect in keyphrase extraction. *Information Research*, 18(4): paper 594.
[#text mining](#); [#information extraction](#); [#machine learning](#)

Conference Papers and Posters

2015 Massey, P., Dalrymple, P., Rogers, M., **Kim, M. C.**, Hawthorne, K., and Manganello, J. (2015). Visualizing patterns and trends of 25 years of published health literacy research. *Proceedings of the 8th Annual Mid-Atlantic Healthcare Informatics Symposium*.
[#healthcare informatics](#); [#web mining](#); [#visual analytics](#)

Lahoti, G., **Kim, M. C.**, Youtie, J., Zhang, C., Porter, A. L., Wang, B., and Hicks, D. (2015). A scientometric comparative study of single-walled and multi-walled carbon nanotubes research. *Proceedings of the 78th Association for Information Science and Technology (ASIS&T) Annual Meeting*.
[#domain analysis](#); [#web mining](#); [#visual analytics](#)

- Kim, M. C.**, Feng, Y., Zhu, Y., and Ping, Q. (2015). Quantitative exploration into the diffusion process of creative ideas: Nobel Prize laureates. *Proceedings of the 78th Association for Information Science and Technology (ASIS&T) Annual Meeting*.
#knowledge diffusion; #web mining; #visual analytics
-
- 2014 Yang, C. C., Lin, S., **Kim, M. C.**, and Jiang, L. (2014). ACTONNECT: A platform to support patients and researchers collaboration. *IEEE International Conference on Healthcare Informatics 2014 (ICHI 2014)*, 369.
#social media mining; #healthcare informatics; #information visualization
-
- 2013 Song, M., and **Kim, M. C.** (2013). RT²M: Real-time Twitter trend mining system. *IEEE 2013 International Conference on Social Intelligence and Technology (SOCIETY)*, 64-71.
#social media mining; #data science; #machine learning

ADDITIONAL PUBLICATIONS AND PRESENTATIONS

- 2015 **Kim, M. C.**, Zhu, Y., Ping, Q., Feng, Y., and Chen, C. (2015). A scientometric exploration of creative ideas in economic sciences: Nobel prize laureates (2000-2014). *Drexel University Research Day 2015*, 176.
#knowledge diffusion; #web mining; #visual analytics
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- 2014 **Kim, M. C.** (2014). Topical gap analysis between researchers' interests and consumers' concerns in healthcare. *Drexel University Research Day 2014*, 182.
#social media mining; #healthcare informatics; #machine learning
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- 2012 **Kim, M. C.** (2013). *A study on building a library portal for people with disabilities based on analysis of user behavior*. Master's Thesis, Yonsei University Graduate School.
#user experience; #user behavior; #digital library
- The National Library of Korea. (2012). *The National Library of Korea online collection development policy*. Seoul: The National Library of Korea.
#digital library; #collection development
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- 2010 KOrea Disabled people's Development Institute. (2010). *Information strategy planning of building total information network for persons with disabilities*. Seoul: KOrea Disabled people's Development Institute.
#user experience; #user behavior; #digital library
-
- 2008 **Kim, M. C.**, and Kim, T. (2008). A study on using FRBR for analysis of intellectual structure of the Bible and its cataloging. *Journal of Knowledge Processing and*

Management, 9(1): 9-27.

[#information organization](#); [#cataloging](#) [#ontology](#)

SELECT GRADUATE COURSES

Fall 2015	INFO 799 Scalable Learning Analytics
Spring 2015	INFO 799 Mining Massive Datasets INFO 799 Robust Patent Recommendation
Winter 2015	CS 613 Machine Learning INFO 633 Information Visualization
Fall 2014	INFO 616 Social & Collaborative Computing INFO 624 Information Retrieval Systems
Summer 2014	INFO 648 Healthcare Informatics INFO 799 Emerging Trends in Recommendation Systems
Spring 2014	INFO 813 Quantitative Methods (Multivariate Analysis)
Winter 2014	INFO 812 Research Statistics I INFO 861 Topics in Information Science
Fall 2013	INFO 863 Topics in Information Systems
Spring 2013	LIS 7029 Text Data Processing and Management
Fall 2012	LIS 8020 Study of Web and Social Media Mining
Fall 2009	LIS 531R Library Automation System
Spring 2009	LIS 8013 Informetrics
Fall 2008	LAI 6006 Morphological Analysis & Computational Processing LIS 8014 Seminar in Information Retrieval Theory
Spring 2008	LIS 7007 Studies in Information User LIS 8015 Seminar in Information Engineering LIS 8016 Seminar in Text Mining

PROFESSIONAL SERVICES

Sep 2015 - Nov 2015	Reviewer for iConference 2016
Jun 2014 - Jul 2014	Sub-reviewer for the ACM International Conference on Information and Knowledge Management (CIKM 2014)
May 2014	Sub-reviewer for a NSF Funding Proposal on Big Data Mining and Visual analytics

(Proposal ID: 1422047)

Apr 2014	Sub-reviewer for the 33 rd International Conference on Conceptual Modeling (ER 2014)
Aug 2010 - Present	Beta Phi Mu International Library & Information Studies Honor Society Beta Beta Chapter (Simmons College)
