

CONTACT INFORMATION	Jay D. Mundrawala 1208 Cromwell Lane Naperville, IL 60564	<i>Phone:</i> (630) 926-6759 <i>Fax:</i> (630) 904-0169 <i>E-mail:</i> jay@ir.iit.edu
PROFESSIONAL INTERESTS	, Data Mining, Information Retrieval, Hardware Design	
EDUCATION	Illinois Institute of Technology , Chicago, IL	
	<ul style="list-style-type: none"> B.S., Computer Engineering 	Aug. 2007 to May 2010
PUBLICATION	N. Goharian, O. Frieder, W. Yee, J. Mundrawala, "Enriching Peer-to-Peer File Descriptors using Association Rules on Query Logs," 32nd European Conference on Information Retrieval, Milton Keys, UK, March 2010.	
TECHNICAL SKILLS	<p>Focus in information retrieval and digital hardware design</p> <p>Programming Languages</p> <ul style="list-style-type: none"> <i>Proficient:</i> ASM(MIPS/M68K), C, Java, VHDL <i>Familiar:</i> BASH, Erlang, GNU flex, Perl, Ruby, SQL <p>Operating Systems: GNU/Linux, Windows</p> <p>Tools: Apache Ant, Git, GLib, L^AT_EX, Lucene, Make, ModelSim, MySQL, OpenCL, SQLite, Vim, Xilinx ISE</p>	
PROFESSIONAL EXPERIENCE	<p>Information Retrieval Laboratory - Illinois Institute of Technology, Chicago, IL</p> <p><i>Research Assistant</i> May. 2008 to present</p> <ul style="list-style-type: none"> Was responsible for debugging and optimizing SQLGenerator¹ - A scalable XML retrieval engine which implements XPath and XQuery by translating it to SQL. Update documentation for various projects Ran tests to study efficiency of selected search engines Designed and implemented an encryption solution for Lucene indexes that is in the process of being added to the Lucene core <p>Defyned, Inc.</p> <p><i>Senior Developer</i> Jul. 2009 to Oct. 2009</p> <ul style="list-style-type: none"> Designed and implemented a massively scalable chat and search system Integrated functionality to perform topic detection on chats <p>Computer Science Department - Illinois Institute of Technology, Chicago, IL</p> <p><i>Teaching Assistant</i> Jan. 2008 to May. 2008</p> <ul style="list-style-type: none"> Assisted students with various C programming assignments 	

¹<http://ir.iit.edu/projects/SQLGenerator.html>