

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	<b>Illinois Institute of Technology</b> , Chicago, IL	
	<ul style="list-style-type: none"> <li>B.S., Computer Engineering</li> </ul>	<b>Aug. 2007 to May 2010</b>
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"> <li><i>Proficient:</i> ASM(MIPS/M68K), C, Java, VHDL</li> <li><i>Familiar:</i> BASH, Erlang, GNU flex, Perl, Ruby, SQL</li> </ul> <p>Operating Systems: GNU/Linux, Windows</p> <p>Tools: Apache Ant, Git, GLib, L<sup>A</sup>T<sub>E</sub>X, Lucene, Make, ModelSim, MySQL, OpenCL, SQLite, Vim, Xilinx ISE</p>	
PROFESSIONAL EXPERIENCE	<p><b>MITRE</b></p> <p><i>Information Systems Engineer</i> <b>June. 2010 to present</b></p> <p><b>Information Retrieval Laboratory</b> - Illinois Institute of Technology, Chicago, IL</p> <p><i>Research Assistant</i> <b>May. 2008 to May 2010</b></p> <ul style="list-style-type: none"> <li>Was responsible for debugging and optimizing SQLGenerator<sup>1</sup> - A scalable XML retrieval engine which implements XPath and XQuery by translating it to SQL.</li> <li>Update documentation for various projects</li> <li>Ran tests to study efficiency of selected search engines</li> <li>Designed and implemented an encryption solution for Lucene indexes that is in the process of being added to the Lucene core</li> </ul> <p><b>Defyned, Inc.</b></p> <p><i>Senior Developer</i> <b>Jul. 2009 to Oct. 2009</b></p> <ul style="list-style-type: none"> <li>Designed and implemented a massively scalable chat and search system</li> <li>Integrated functionality to perform topic detection on chats</li> </ul> <p><b>Computer Science Department</b> - Illinois Institute of Technology, Chicago, IL</p> <p><i>Teaching Assistant</i> <b>Jan. 2008 to May. 2008</b></p> <ul style="list-style-type: none"> <li>Assisted students with various C programming assignments</li> </ul>	

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