Jay Dave Mundrawala

| CONTACT INFORMATION | Jay D. Mundrawala
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PROFESSIONAL INTERESTS

Data Mining, Information Retrieval, Hardware Design, High Performance Computing

EDUCATION

Illinois Institute of Technology, Chicago, IL

- 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

Focus in information retrieval and digital hardware design

Programming Languages
- *Proficient:* ASM(MIPS/M68K), C, Java, VHDL
- *Familiar:* BASH, Erlang, GNU flex, Perl, Ruby, SQL

Applications: LaTeX, BibTeX, MySQL

Operating Systems: GNU/Linux, Windows

Tools: Apache Ant, Git, GLib, LaTeX, Lucene, Make, MySQL, OpenCL, SQLite, Vim

PROFESSIONAL EXPERIENCE

Information Retrieval Laboratory - Illinois Institute of Technology, Chicago, IL

Research Assistant — **May. 2008 to present**
- Debug and optimize SQLGenerator[1] - A scalable XML retrieval engine which implements XPath and XQuery by translating it to SQL.
- Update documentation for various projects
- Run test to determine efficiency of selected search engines
- Design and Implement an encryption solution for encrypting a Lucene index

Defyned, Inc.

Senior Developer — **Jul. 2009 to Oct. 2009**
- building a massivly scalable chat system
- integrating ability to perform topic detection on chats

Computer Science Department - Illinois Institute of Technology, Chicago, IL

Teaching Assistant — **Jan. 2008 to May. 2008**
- Assist students with various C programming assignments

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[1]http://ir.iit.edu/projects/SQLGenerator.html