Jay Dave Mundrawala

CONTACT
INFORMATION

Jay D. Mundrawala
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PROFESSIONAL
INTERESTS

Data Mining, Information Retrieval, Hardware Design, Digital Image Processing

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

Operating Systems: GNU/Linux, Windows

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

PROFESSIONAL
EXPERIENCE

MITRE

Information Systems Engineer **June. 2010 to present**

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

Research Assistant **May. 2008 to May 2010**

- Was responsible for debugging and optimizing SQLGenerator[1] - 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

Defyned, Inc.

Senior Developer **Jul. 2009 to Oct. 2009**

- Designed and implemented a massively scalable chat and search system
- Integrated functionality to perform topic detection on chats

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

Teaching Assistant **Jan. 2008 to May. 2008**

- Assisted students with various C programming assignments

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