Jason James Soo

CONTACT INFORMATION	Jason James Soo 1736 N. Newland Chicago, IL 60707	*Phone:* *Fax:* *E-mail:*	(773) 442-2225 (773) 745-0656 soo@ir.cs.georgetown.edu

OBJECTIVE A permanent position solving problems demanding creative solutions. Focuses include: information retrieval and data mining.

EDUCATION

Georgetown University, Washington D.C.

- Ph.D., Computer Science   **Accepted for Fall 2011**

Illinois Institute of Technology, Chicago, IL

- B.S., Computer Science   **Aug. 2005 to May 2009**
- M.S., Computer Science   **June 2009 to May 2010**

PUBLICATIONS Primary author publications

- J. Soo, O. Frieder, *On Foreign Name Search*, 32nd European Conference on Information Retrieval (ECIR), Milton Keynes, UK, March 2010.
- J. Soo, R. Cathey, O. Frieder, M. Amir, and G. Frieder, Yizkor Books: A Voice for the Silent Past, ACM Seventeenth Conference on Information and Knowledge Management (CIKM), Napa Valley, California, October 2008.
- J. Soo, O. Frieder, *Segments: A sub-string matching system*, JASIST, *pending*.

Other publications

- Cathey, Rebecca and Soo, Jason and Frieder, Ophir and Amir, Michlean and Frieder, Gideon, *Worldwide Accessibility to Yizkor Books*, Next Generation Information Technologies and Systems, Springer Berlin / Heidelberg, Vol. 5831, 2009.

PROFESSIONAL

Orbitz Woldwide - Hotel Connectivity Team, Chicago, IL

Software Engineer II   **July 2010 to Present**

- Use Hadoop to mine cached market availability for hotel supply
- Assist in envisioning and deploying data capture projects for data mining use
- Use Weka to design and compare various clustering algorithms for hotel recommendations
- Collaborate with various teams to design a customer cache eviction algorithm
- Implement a new framework for custom cache eviction policies
- Develop large scale, high capacity production systems
- Design, coordinate, and analyze the result of several production feature tests
- Purposed and prototyped a data-visualization tool, later adopted by Orbitz
- Orbitz "Best Idea Contest" winner

ViViD Sounds - Chicago, IL

Founder, Co-Owner and Lead Software Developer   **Aug. 2008 to Jan. 2010**

- Designed and developed a results guaranteed geo-local search engine
- Designed, developed, and deployed ViViD Sounds[1] in Ruby on Rails
- Managed the company's software and organization
- Promoted the company and built intra-business agreements

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[1]http://www.vividsounds.com

MojoTech - Chicago, IL

Founder, Co-Owner, and Software Developer   **Dec. 2007 to Dec. 2008**
- Implemented large scale online survey systems for Fortune 500 companies
- Provided time/cost estimates, and monitored deadlines
- Managed a team of 4 developers

Information Retrieval Laboratory - IIT, Chicago, IL

Research Assistant   **Nov. 2005 to May 2010**
- Lead developer of USHMM's[2] Locality Searcher[3] and Yizkor Book Search
- Worked on SQLGenerator[4] - A scalable XML retrieval engine
- Developed a querying interface for the SQLGenerator engine
- Developed a language independent spell checking algorithm used by the USHMM
- Designed and developed a semi-real-time Twitter summarization search engine
- Designed and ran tests to determine indexing/retrieval effectiveness and efficiency
- Developed a query builder capable of querying multiple search engines with a single query which was used by the government
- Reviewed and edited an introductory Ruby programming book
- Assisted in developing an insider misuse detection system

TECHNICAL   Focus in information retrieval/systems and web development

Programming Languages: BASH, Objective-C, Java, PHP, Python, Ruby/RoR

Operating Systems: Linux, OS X, and Windows

Applications: Apache, git, Hadoop, Lucene, Make/Rake, MongoDB, MySQL, SSH, Vim, Weka

INTERESTS   Alternative energy, cyber war/security, entrepreneurship

HOBBIES   Cycling, DJing, frisbee, iPhone development, photography, reading, scuba diving, skydiving, snorkeling, soccer, volleyball

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[2]United States Holocaust Memorial Museum
[3]http://zchor.ir.iit.edu/locations
[4]http://ir.iit.edu/projects/SQLGenerator.html