

## Xixuan (Aaron) Feng

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1210 W. Dayton St.  
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### Education

**University of Wisconsin-Madison** Madison, WI  
*M.S. in Computer Sciences (Databases)*, GPA: 3.9/4.0 Aug. 2013 (Expected)  
*Certificate in Technical Japanese*, GPA: 4.0/4.0 May. 2013 (Expected)

**Peking University** Beijing, China  
*B.S. (With Honor) in Computer Science and Technology* Jul. 2009  
GPA: 3.7/4.0, Major GPA: 3.9/4.0, Rank 5 out of 120+

**Stanford University** Stanford, CA  
*Summer Session Undergraduate Student* 2008 (3-month)  
GPA: 4.3/4.3, 1 out of 3 participants from Peking University

**Hong Kong University of Science and Technology** Hong Kong, China  
*Exchange Student in Computer Engineering* 2006 (4-month)  
GPA: 11.82/12.00, 1 out of 10 participants referred by Peking University

### Selected Publications

#### **Towards a Unified Architecture for in-RDBMS Analytics.**

Xixuan Feng, Arun Kumar, Ben Recht and Christopher Ré.  
In *ACM SIGMOD* 2012 (Top-1 publication venue in databases)

#### **Optimizing Statistical Information Extraction Programs over Evolving Text.**

Fei Chen, Xixuan Feng, Christopher Ré and Min Wang.  
In *IEEE ICDE* 2012 (Top-3 publication venue in databases)

#### **The MADlib Analytics Library or MAD Skills, the SQL.**

J. M. Hellerstein, C. Ré, F. Schoppmann, D. Z. Wang, E. Fratkin, A. Gorajek, K. S. Ng, C. Welton, Xixuan Feng, K. Li and A. Kumar.  
*PVLDB*, Volume 5 Issue 12, 2012 (Top-2 publication venue in databases)

### Internships

**EMC Greenplum** San Mateo, CA  
*Full-time Software Engineer Intern* (mentored by Caleb Welton) 2012 (3-month)  
Ported 7 in-database predictive analytics models (accepted in VLDB 2012) and designed the convex programming framework in MADlib (shipped in <http://madlib.net>)

**IT Informatics Group, HP Labs China** Beijing, China  
*Full-time Research Intern* (mentored by Fei Chen) 2011 (6-month)  
Developed an optimized system of statistical information extraction over evolving text corpora to achieve 10X speed-up in a real-world dataset (accepted in ICDE 2012)

**Web Search and Mining Group, Microsoft Research Asia** Beijing, China  
*Full-time Research Intern* (mentored by Yu Zheng) 2009 (6-month)  
Optimized entity resolution on location datasets (accepted in ACM GIS 2010) and improved data quality Bing search engine (shipped to China and Japan markets)

### Graduate School Assistantships

**Department of Computer Sciences, UW-Madison** Madison, WI  
*Research Assistant in Database Group* (advised by Christopher Ré) 2010 - 2013  
Developed a unified framework for in-database analytics which can leverage the existing mature code paths inside relational databases (accepted in SIGMOD 2012)

**Department of Computer Sciences, UW-Madison** Madison, WI  
*Teaching Assistant in CS 302 and CS 367* 2009 - 2010

### Honors

*Listed in Peking University Excellent Graduates* Jul. 2009  
*Peking University National and Samsung Scholarships* (Top 3 in 120+) 2007 - 2008  
*Listed in Hong Kong University of Science and Technology Dean's List* Dec. 2006

### Technical Skills

**Relational DBMS** *SQL applications, User-defined functions, Window functions, etc.*  
**Numerical Optimization** *Convex programming, Derivative-free optimization, etc.*  
**Operating Systems** *Kernel programming, Remote debugging on embedded systems, etc.*  
**Programming Languages** *C/C++ (Expert), Java, Python, SQL, Shell script, Perl, PHP, Assembly, XHTML, Javascript, C#, etc.*

### Natural Languages

*Native Chinese* (Cantonese and Mandarin), *Fluent English*, *Conversational Japanese*

### Extracurricular Activities

**Sports** *Sailing* (captained 6-person sailboats on Lake Mendota), *Racquetball*, *Soccer*, etc.  
**Entertainment** *Japanese pop culture studies* (AKB48 and owarai), *Karaoke*, etc.

### References

**Professor Christopher Ré** *Graduate School Advisor*  
University of Wisconsin-Madison, chrisre@cs.wisc.edu, +1 (608) 263-5489

**Mr. Caleb Welton** *Engineering Internship Mentor*  
EMC Corporation, caleb.welton@emc.com

**Dr. Fei Chen** *Research Internship Mentor*  
HP Labs, fei.chen4@hp.com

**Professor Jeffrey Naughton** *Graduate School Instructor and Department Chair*  
University of Wisconsin-Madison, naughton@cs.wisc.edu, +1 (608) 262-8737