TING CHEN

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Education

1998.8-2002.7 *National University of Singapore* *B.Comp in Computer Sciences*

First Class Honors GPA: 3.82

2002.7-2004.12 *National University of Singapore* *M.Sc in Computer Sciences*

Thesis Title: View Processing for a Native XML DBMS

Winner of Singapore Computer Society (SCS) best Master Thesis Award 2005

2005.8-2010 *University of Wisconsin, Madison* *PhD Student in Computer Sciences*

Thesis topic: indexing for regex evaluation; current GPA: 3.81; Minor in Statistics

Experiences

2004.8-2005.6 *School of Computing, National University of Singapore* *Research Assistant*
Worked in a project focusing on designing and evaluating genetic algorithms in embedded systems

2006.5-2006.8 *Google Inc.* *Intern (Supervisor: Mark Callaghan)*
Worked in Google's Ads Backend group to develop C++ middle-ware to improve the efficiency and usability of Google's database server clusters

2007.5-2007.8 *IBM Almaden Research Center* *Intern (Supervisor:Shiv. Vaithyanathan)*
Designed and implemented novel indexing schemes for regular expression evaluation

2006.10-2007.12 *DBLife Research Group* *Research Assistant (Advisor: AnHai Doan)*
Designed and Implemented the researcher citation subsystem of DBLife community information system prototype (dblife.cs.wisc.edu) using perl; Helped to fix system bugs of the production DBLife server

2008.5-2008.8 *IBM Almaden Research Center* *Intern (Supervisor:Shiv. Vaithyanathan)*
Continued to design and implement novel indexing schemes for regular expression evaluation

Skills

Java, C/C++, Perl, XSLT, SQL, MySQL, PostgresSQL,DB2,CVS/SVN

Publications

1. Jiansheng Huang, Ting Chen, AnHai Doan, Jeffrey F. Naughton: On the provenance of non-answers to queries over extracted data. VLDB 2008

2. Eric Chu, A. Baid, Ting Chen, Anhai Doan, Jeff Naughton: A Relational Approach to Incrementally Extracting and Querying Structure in Unstructured Data. VLDB 2007

3. Ting Chen, Jiaheng Lu, Tok Wang Ling: On Boosting Holism in XML Twig Pattern Matching using Structural Indexing Techniques. SIGMOD 2005

4. Jiaheng Lu, Tok Wang Ling, Chee Yong Chan, Ting Chen: From Region Encoding To Extended Dewey: On Efficient Processing of XML Twig Pattern Matching. VLDB 2005