

KHAI TRAN

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EDUCATION

University of Wisconsin - Madison Ph.D. in Computer Science	2012
University of Wisconsin - Madison M.S. in Computer Science	2009
Hanoi University of Technology B.S in Computer Science (Best Graduate Student Honors)	2006

PUBLICATIONS

- Khai Q. Tran, Spyros Blanas, Jeffrey F. Naughton. On Hardware Transactional Memory, spinlocks, and database transactions. *In Proceedings of ADMS 2010.*

PROFESSIONAL EXPERIENCE

Microsoft Jim Gray System Lab, Madison, WI Research Assistant Sought for efficient concurrency control methods for extreme transaction processing systems: <ul style="list-style-type: none">• Hardware supported primitives as CC methods for a class of very short transactions• Graph-based CC method for a class of highly partitioned transactions	2009-
Server Manageability Group, Oracle Corporation Summer Intern Analyzed the bottlenecks and proposed appropriate solutions for the hash join operator at the runtime.	Summer 2010
Department of Computer Sciences, University of Wisconsin – Madison Teaching Assistant – CS 752 Advanced Computer Architecture Solved and graded students’ homework, helped student understand lectures and do the final project	Fall 2008
Research Assistant Integrated Cell-sort into MapReduce on the Cell Processors	Summer 2008
Teaching Assistant – CS 302 Introduction to programming Instructed and consulted students for programming jobs, graded student assignments and exams	Fall 2007 – Spring 2008

AWARDS

Summer Fellowships , Dept. of Computer Sciences, University of Wisconsin- Madison	May 2008
Honda YES Award for excellent and young engineers and scientists, Honda Foundation	December 2006
Best Graduate Student Honors , The People’s Committee of Hanoi	August 2006
Microsoft scholarship for top ten excellent Vietnamese Computer Science students, Microsoft Corporation	April 2006
Vietnamese Government Fellowship	September 2001 – May 2006
Highest entrance exam score , Hanoi University of Technology	August 2001

COMPUTER

Languages: Java, C/C++, Visual C++, Visual Basic, Web programming, Perl, PHP
Operating Systems: Microsoft Windows, UNIX
Database Systems: Oracle, PostgreSQL
Assemblers: x86, MIPS

REFERENCES

Prof. Dr. Jeffrey Naughton

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