Wanxing Xu

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Education	
2007–2012	**Ph.D Program, Computer Science and Engineering, University of California, Riverside** GPA: 4.0/4.0; Thesis Advisor: Prof. Vassilis Tsotras
2003–2007	**Bachelor of Engineering in Computer Software, School of Software, Tsinghua Univ.** Scholarships for academic excellence for three consecutive years. Overall GPA: 3.60/4.0, Major GPA: 3.93/4.0, rank: 6/38

Research	
	• Research interests: Database Management, XML Query Processing, Data Mining • Current Research: A comparison of XML Query Processors

Working Experience	
08/2006–03/2007	**"Stars of Tomorrow" Internship Program in Microsoft Research Asia** • Worked in the Incubation and UI group • Developed a data management system based on C++; analyzed the effectiveness and preciseness of getting data, and compared the result to SQL Server. Represented data in graph form using C#.

Major Project Experience	
03/2008-04/2008	**Maximal Unique Matches among Genes using Generalized Suffix Tree** • Course Project for "Computational Methods for the Analysis of Biomolecular Data" • Implemented a linear algorithm in both time and space for real genes. • Used Java JDK 5 on Eclipse.
03/2007–07/2007	**Research and Practice on Software Architecture Recovery Algorithms** • Bachelor's Degree thesis at Tsinghua University. • Implemented a system to automatically recover a software architecture. • Used Java with multiple UI design based on Eclipse.
10/2005–12/2005	**An Automatic Documentation Typesetting System** • Developed an automated typesetting system based on dynamic programming algorithms. • Worked as the leader in a twenty-developer team for three months.
03/2005–01/2006	**Technology Research on Interactive Multi-view Video Stream and Development of a Internet Live Broadcast Prototyping System** • Developed a Live Broadcast System of multi-view with web interactive transfer. • Used the technology of video encoding and decoding, network transmission and multi-view video. • Used Microsoft Direct Show based on .NET environment, with C++ language.
10/2000–08/2002 High School Senior year	**Research on Network Security** • Simulated a security attack and defense on the Internet. • Worked under Professor Bai Shuo, the leader of the Department of Anti-Virus, Ministry of Information Industry of China. • Based on the above work, I Co-authored a book, "E-Sword & E-shield", which is published in 2002 by Tsinghua University Press.

Honors	
2002	National Outstanding Achievement Award for Juniors in Practical Science Applications
2001	Special National Award for Computer Generated Arts
2001–1998	First Prize (1998), Second Prize (2001, 1999) and Third Prize (2000) in National Olympiad in Informatics, Beijing Region

Activity	
09/2003–03/2005	**Head of the Animation & Video Dept, Student TV Station, Tsinghua Univ.**
09/2004–03/2005	Head of the Public Relation Dept., **Student Union**, School of Software, Tsinghua Univ.
09/2003–09/2004	Head of the Public Relation Dept., **Technology Association**, School of Software, Tsinghua Univ.

Volunteer work	
04/2004–06/2004	**Book Donation Event for the Children of Migrant Workers** • Worked as a key organizer. • Responsibilities included contacting potential donors, promoting the event, and organizing various book collection and delivery activities.
10/2003–10/2004	**Giving Lectures on Computers to Elementary School Students.** • Topics include computer architecture, functions, applications, and the future

Skills	
	• Video photography, video and audio editing, Flash Animation • Natively fluent in Mandarin

Updated on May 2, 2008