Zhe (Daisy) Wang

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Education

2002–present   Fourth year in **Computer Engineering**, graduating 2005, **University of Toronto (UofT)**. Cumulative **GPA** 3.93/4.0. University of Toronto Scholar 2002, 2004; McAllister Research Award 2004; Dean's Honor List 2002-2004; Admission Scholarship. Related courses: Database Management System, Compilers and Interpreters, Machine Learning, Software Engineering.

2000–Summer 2002 **Computer Engineering**, Zhejiang University, P.R.China. Transferred to University of Toronto in 2002. Cumulative **GPA** 3.88/4.0, top 3%. Excellent Student Awards 2000-2002; Excellent Leadership Award 2001.

Experience

Summer 2004   **Software Developer, Problem Deterministic Tools Group, IBM Toronto Lab**
Developed Servlet and Portlet demos for SVGGenerator using JAVA, which were shipped as plug-in feature in WSAD v5.1; organized discussion between database and application teams, tuned database and assisted in modifying the Large Log Support (LLS), improved LLS performance by 100%; designed the performance evaluation plan, trained people to measure and record performance matrices, analyzed results and completed a technical report as internal document.

Summer 2003   **Software Developer, DB2 UDB Compiler Group, IBM Toronto Lab**
Developed a line item (Statistical View) using C under AIX platform which was released with DB2 v8.2; designed test plans, developed test buckets and unit-tested on different components.

2003-present   **Research Assistant, Middleware System Research Group, UofT**
Developed City Map Generator with XML input using C++, developed user interface with C++ Builder; Designed and developed demo for "Location-Aware ToPASS System", presented demo in IBM CASCON 2004 conference; Designed, implemented and experimented with different algorithms for XPath and Regular Expression matching, completed technical report entitled "String Matching in Publish/Subscribe System".

Course Project Work

2004 Peer-to-Peer File Transfer System, University of Toronto, Computer Networks
Developed and documented simple TCP/UDP protocols, user database and both client and server side of the File Transfer System using C; Awarded as the "Best Team" in the group presentation.

2003 Autonomic Banking Machine, University of Toronto, Computer Architecture
Developed user input system in assembly language, developed banking/transaction functionalities in C, implemented the interface between C and assembly language; Cross-compiled and tested the problem on the Gizmo board.

2002 Mini Data Management System, Zhejiang University, Database Management System
Developed Mini SQL Interpreter; Designed the data structure for records and implemented B+ tree indexing structure.

Skills

Proficient in Java, C, C++, SQL and competent with MATLAB, Scheme, Prolog, Perl. Experienced with Windows 2000/XP, Linux, AIX platforms and DB2. Developed web applications using HTML, XML, Java Script, JSP, servlet and portlet. Proficient with WSAD v5.1, Eclipse 3.0, CVS, Cygwin, Latex, Emacs.

Organizations

Director of Public Relations of IEEE UofT student branch. Initiator and executive of Women in Engineering (WIE) Affinity group.