ZHE (DAISY) WANG

Address:	#450 Spadina Avenue, Apartment #1	**E-mail:**	zhe.wang@utoronto.ca
	Toronto, ON, M5T 2G8	**Home Page:**	
Phone:	(647) 226-1266		http://individual.utoronto.ca/zhe_wang/

EDUCATION

Fourth year in **Computer Engineering**, Graduating in 2005   2002—present

University of Toronto, Cumulative **GPA** 3.93/4.0

Related courses: Database Management System, Compilers and Interpreters
                    Machine Learning, Software Engineering

Awards: Dean's Honor List 2002-2004; University of Toronto Scholar 2002, 2004;
              McAllister Research Award 2004; Admission Scholarship.

Computer Engineering, Transferred to University of Toronto in 2002   2000—Summer 2002

Zhejiang University, P.R.China, Cumulative **GPA** 3.88/4.0

Awards: Excellent Student Awards 2000-2002; Excellent Leadership Award 2001

WORK/RESEARCH EXPERIENCE

Software Developer   Summer 2004

IBM Toronto Lab, **Problem Determination Tools Group**

- developed Servlet and Portlet demos for SVGGenerator using JAVA, which were shipped as plug-in features 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 percent
- designed the performance evaluation plan; trained people to measure and record performance matrices; analyzed results and completed a technical report as internal document

Software Developer   Summer 2003

IBM Toronto Lab, DB2 UDB Compiler Group

- 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

Research Assistant   2003—present

University of Toronto, Middleware System Research Group

- 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 2003 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

Peer-to-Peer File Transfer System   2004

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

Autonomic Banking Machine   2003

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 program on the Gizmo board

Mini Data Management System   2002

Zhejiang University, Database Management System

- developed Mini SQL Interpreter
- designed the data structure for records and implemented B+ tree indexing structure

TECHNICAL SKILLS

- **Software Languages:** Java, C, C++, Matlab, SQL, Scheme
- **Web Languages:** HTML, XML, Java Script, Perl, Shell Script
- **Systems:** Windows 2000/XP, Linux, DB2, AIX, Solaris
- **Tools:** WSAD v5.1, Eclipse 3.0, CVS, Cygwin, Latex, Emacs

EXTRACURRICULAR ACTIVITIES

IEEE Public Relations Director   Spring 2004—present

- designed posters for activities
- liaised between students, professors and companies

Women In Engineering (WIE) Initiator and Executive   Spring 2004—present

- initiated and founded WIE affinity group in University of Toronto
- planed events and found sponsorships

INTERESTS

History and ancient culture studies, Reading and Writing, Traveling