

ZHIFENG LIU**Research Interests**

Requirement Engineering, Middleware, Database, Distributed Computing and Bioinformatics

Education

- **Master Program** in Computer Sci., Univ. of Toronto Sep 03 - Current
- **M.S, Computer Science** Sep 00 - Jul 03
ISCAS (Inst. of Software, Chinese Academy of Sciences), P.R. China
GPA: 4.0/4.0 (overall)
Thesis: Research on Recovery Management in Distributed Transaction Monitors (in Chinese with an English summary) **A**
- **B.S, Computer Science** Sep 95 - Jul 00
SCGY (Special Class for the Gifted Young), USTC(Univ. of Sci. & Tech. of China), P.R. China
GPA: 3.7/4.0 (overall), 3.7/4.0 (major)

Courses at U of Toronto

Winter 2004 CSC2509 Data Management Systems: In Process
CSC2507 Conceptual Modeling: In Process
CSC2106 Requirements Engineering: In Process
Fall 2003 CSC2209 Computer Networks: A+
CSC2401 Computational Complexity: A-
CSC2502 Knowledge Representation and Reasoning: Audit Only

Research and Project Experience

Research Assistant, Dept. of Computer Sci., Univ. of Toronto Sep 03 – Current

Requirement Engineering and agent-oriented modeling

Research Assistant, Inst. of Software CAS Sep 00 - Jul 03

➤ Design and Impl. of Distributed Transaction Manager (ISTX) Nov 01 –Jul 03

ISTX complies with J2EE specification. My Job is part of framework and detailed design of ISTX and responsible for the design and implementation of Recovery Manager, which supports multiple kinds of logs, capable of automatic recovery from system, media and communication failures.

➤ Sinopec (China Petrol & Chemical Corp.) Information Demonstration Project May 01-Nov 01

Research Assistant, National High Parallel Computing Center (NHPCC), USTC Dec 98 – Jul 00

➤ The Intelligent Anti-flood and Pollution Control System of Huaihe River Aug 99 – Jul 00

➤ Integration of Client Environments for the Dawning 3000 Supercomputer Oct 98 –Aug 99
Dawning User Environment Tutorial (DUET) subsystem

TA Experience

Winter 2004: CSC148 Introduction to Computer Science, Univ. of Toronto

Fall 2003 CSC108: Introduction to Computer Programming, Univ. of Toronto
Spring 2000: C Programming; SCGY, USTC
Fall 1999: Digital Image Process; CS dept., USTC
High Performance Computing, CS dept. and SCGY, USTC

Working Experience

Since Jan 2002, serving as a volunteer of USTC Alumni Foundation (USTCAF).

- Interviewed 15 Quintessential USTCers including Dr. Ya -Qin Zhang (currently global VP of Microsoft)
- Found 15 High School Scholarships (HSS) in China to help USTC enroll first-class students, as the director of HSS program;
- Solicited donation of over 3,000 US dollars from USTC alumni, as the member of fundraising team.

Publication

LIU Zhifeng, DING Ke. The design and implementation of JTS service recovery manager.
Chinese academic kernel journal, Computer Engineering and Application. Vol. 39 No. 8 , p.119-121, 2003

Honors and Scholarship

- Outstanding Graduate Student of USTC, 2000
- Liu Yongling Scholarship of USTC, granted to 2 out of 89 students, 1998
- Outstanding Student Leader of USTC, 1998
- Outstanding Student News Reporter of USTC News Center, 1998
- Outstanding Student Scholarship of USTC, 1997
- Outstanding Student Scholarship of USTC, 1996
- Third Level Award in USTC Mathematics Contest (Group for math-major.ed students), No.5 out of 80 the competitors, 1996
- First Level Outstanding Student Scholarship of USTC, granted to 2 out of 1025 undergraduate, 1995
- Anna C. Chennault Scholarship for high school graduates in Ji'an District Jiangxi Province, 1995

Skills

Languages: Java, C/C++, Pascal, XML, UML, HTML, MPI and IBM PC Assembly Language

Database System, Distributed Sys / Network: database programming with SQL, DB2, network technologies such as TCP/IP, Client/Server, transaction monitors with a specialty in recovery management

OS: MS Windows, Unix (Solaris/AIX), and Linux

Others: conceptual modeling, high performance computing

English Proficiency

◇ GRE

General: V: 620/88% Q: 730/97% A: 790/97% Paper-Based Date: 04/10/1999

 V: 660/93% Q: 800/98% A:770/97% Computer-Based Date: 04/16/2001

Subject: CS 830/89% Date: 11/10/2001

 Math 990/84%(Full Score) Date: 11/06/1999

◇ TOFEL: 653(59/67/62) TWE: 4.5 Date: 08/25/2001