

ZHE (DAISY) WANG

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EDUCATION

Bachelor of Applied Science, Computer Engineering, Expected June 2005 2002—present
University of Toronto, Cumulative **GPA** 3.93/4.0

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

Computer Engineering, Transferred to University of Toronto in 2002 2000—Summer 2002
Zhejiang University, P.R.China, Cumulative **GPA** 3.88/4.0, top 3%

HONORS/AFFILIATIONS

Dean's Honor List	2002-2004	University of Toronto
University of Toronto Scholar	2002, 2004	University of Toronto
McAllister Award	Summer 2004	University of Toronto
Admission Scholarship	2002	University of Toronto
Excellent Student Award	2000-2002	Zhejiang University
Excellent Leadership Award	2001	Zhejiang University
IEEE UofT Student Branch	4.2004-present	University of Toronto
Women in Engineering (WIE)	1.2004-present	University of Toronto

RESEARCH INTEREST

Data management systems
Middleware and distributed system
System modeling
Machine learning and data mining
Performance improvement and evaluation

RESEARCH/WORK EXPERIENCE

Research Assistant, Mentor: Professor H. - Arno Jacobsen Summer 2003

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

Research Assistant, Mentor: Professor H. - Arno Jacobsen Summer 2004

University of Toronto, Middleware System Research Group

http://individual.utoronto.ca/zhe_wang/pages/sub_string_matching_2004.html

- designed, implemented and experimented with different algorithms for Regular Expression

matching

- completed a Technical Report entitled “String Matching in Publish/Subscribe System” describing new algorithms and analyzing experimental results
- extending algorithms and working towards a conference paper

Capstone Project

Constructing Regulatory Network for Yeast, Mentor: Professor Brendan J. Frey 2004

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University of Toronto, Design Project

- collected and preprocessed different datasets
- wrote technical proposal
- using clustering and other Machine Learning techniques to infer information from the dataset and to construct the regulatory network
- developing audio-visual demo for the project

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

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

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
- planned events and found sponsorships