

# Guang Huang

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**OBJECTIVE**      Software engineer / Programmer position, Research Intern

## **TECHNICAL SKILLS**

**Languages:** Java, UML, C++, C, Database, JSP, Visual C++, Visual Basic, ASP, Lisp

**Design Tools:** Rational Rose, JBuilder, Database Design Tool (ERWin, Rational Rose), Visual Studio.net, Dreamweaver, FireWork, Visual Source Safe, CVS

**Operating systems:** UNIX, Windows 9X/2000/NT/XP.

## **SELECTED HIGHLIGHTS PROJECTS**

### **2004 International Trading Agent Competition – Supply Chain Management Agent**

- Development Language & Tools: Java (Swing), JBuilder X, CVS
- Mr.UMBC Agent System Designer; Programmer
- Position 2<sup>nd</sup> in final

### **Dynamic Data Collection Information Retrieval System**

- Development Language & Tools: Java (Swing), JBuilder X, Rational Rose
- System Designer; Developer

### **Distributed File System**

- Development Language & Tools: Java (Swing), JBuilder X, Rational Rose
- System Designer; Main Developer (80% coding, debugging, testing)

### **E-delivery System of HP (Hewlett-Packard Development Company, China)**

- Development Language & Tools: ASP, VB, Visual Studio, MS SQL, VC
- System Designer; Main Developer

### **Engineer Dispatching and Scheduling System (EDSS) for HP**

- Development Language & Tools: ASP, VB, Visual Studio, MS SQL
- System Designer; Main Developer (Version 4, 5, 6)

## **PROFESSIONAL EXPERIENCE**

### **2004 International Trading Agent Competition – Supply Chain Management Agent**

**Design** (System Designer, Programmer. Java (Swing), JBuilder X, CVS)

- Trading Agent Competition (TAC) is an international forum designed to promote and encourage high quality research into the trading agent problem.
- Position 2<sup>nd</sup> in final

**MS SQL DBA / Developer** Blue Matrix Software Ltd. Co. Beijing, China

(<http://www.bluematrix.com.cn>) (MS SQL DBMS, ASP, PL/SQL, VB, VC, VSS, ERWin, Rose).

*Dec 1999 – May 2001*

- System designer / Main Programmer: E-delivery System of HP (Hewlett-Packard Development Company, China) ----- the forum website for HP technical support. Designed the architecture, and programmed all the code. It can be visited at (<http://e-support.hp.com.cn/e-delivery/forum/>)
- System designer / Main Programmer: Engineer Dispatching and scheduling system (EDSS) for HP (Hewlett-Packard Development Company, China)----- EDSS is a system that manages and records the work log of HP customer engineers (CEs) and assist the call dispatchers to dispatch Customer Service Orders to CEs in the period of customer service.
- System designer / Main Programmer: Hardware Service Center (HSC) FAQ System for HP (Hewlett-Packard Development Company, China) Customer Service Department

- System Developer / Software Developer** Institute of Software of Chinese Academy of Sciences  
(<http://www.iscas.ac.cn/english/Index.htm>) Aug. 1999 – May 2001
- System Developer: System of Chinese Word Segmentation and Part of Speech Tagging (cooperate with the NTT Communications, Japan)
  - System Developer: Japanese-Chinese Machine Translation System (cooperate with Hitachi Ltd, Japan)
- Developer (Internship)** Hua-Wei Telecom Company, China Aug. 1998 – May 1999
- finish the thesis about “Theory and future development of Global System for Mobil Communication (GSM)
- Research Assistant** University of Science & Technology of China, SCGY Aug. 1996 – Aug 1998
- Research Assistant in Data Processing Lab

### EDUCATION / HONORS

- M.S. Computer Science** Univ. of Maryland, Baltimore County, MD. Jan. 2002 – May 2004
- Passed the PH.D qualify Exam (2003. August)
- B.S. Electric Engineering** University of Science and Technology of China. Sept. 1994 – Jul. 1999
- Admitted to Special Class for Gifted Young (SCGY) with exemption from National College Entrance Examination
  - Graduate with the award of “Excellent Undergraduate Thesis of 1999”

### SELECTED COURSE PROJECTS

- Dynamic Data Collection IR System** (JAVA(Swing), Rational Rose)
- Dynamic Data Collection IR System ([http://www.cs.umbc.edu/~guangh1/sc\\_698.htm](http://www.cs.umbc.edu/~guangh1/sc_698.htm))
- Information Retrieval System** (Java (RMI, Swing), Rational Rose)
- Information Retrieval Engine ([http://www.cs.umbc.edu/~guangh1/ir\\_detail.htm](http://www.cs.umbc.edu/~guangh1/ir_detail.htm))
- Distributed File System** (Java (RMI), Rational Rose)
- Distributed File System design ([http://www.cs.umbc.edu/~guangh1/os\\_detail.htm](http://www.cs.umbc.edu/~guangh1/os_detail.htm))
- Online e-Store Website** (JSP/JAVA, Tomcat4.1, Oracle 8, ERWin)
- ECommerce Website design ([http://www.cs.umbc.edu/~guangh1/database\\_detail.htm](http://www.cs.umbc.edu/~guangh1/database_detail.htm))
- Computer Architecture** (C++) ([http://www.cs.umbc.edu/~guangh1/pj\\_architecture.htm](http://www.cs.umbc.edu/~guangh1/pj_architecture.htm))
- VLSA design: n-bytes BCD Adder
  - Tomasulo's algorithm(dynamic scheduling) simulation
- Multimedia Network** (C++, ns2)
- Multipath routing protocol simulation ([http://www.cs.umbc.edu/~guangh1/media\\_detail.htm](http://www.cs.umbc.edu/~guangh1/media_detail.htm))
- Artificial Intelligence** (Lisp) ([http://www.cs.umbc.edu/~guangh1/pj\\_ai.htm](http://www.cs.umbc.edu/~guangh1/pj_ai.htm))
- Game Player Agent (Empire-Builder)
  - Gained the Champion of torment