

Yuanlei Zhang

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OBJECTIVE:

As a recent graduate, I am seeking a full time position in software (preferably web application) development/testing requiring a variety of skills and fast learning/applying/problem-solving capabilities.

EDUCATION:

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|-------------------|---|-----------|
| 08/2001 - 08/2003 | M.S. Computer Science University of Tennessee, Knoxville, Tennessee | GPA: 3.95 |
| 09/1996 - 07/2000 | B.S. Computer Science Nanjing University, China | GPA: 3.75 |
| 08/2003 - 12/2005 | M.S. Management Science University of Tennessee, Knoxville, Tennessee | GPA: 3.96 |

EXPERIENCE:

01/2005 - present **Part-time System Architect & Software Engineer** Magic Creator Ltd., China

Project: Magic Work, a web application based cooperative office system

- Designing the programming framework and implementing the user management functionalities using the latest J2EE technologies
- Skills involved: Java Servlet, JSP, JavaBeans, JDBC, JNDI, Tomcat, MySQL, MVC framework, Connection pooling

Project: A web-based content management system for creating, managing and publishing website contents, sponsored by China National Association of Finance Companies (CNAFC)

- Worked on tailoring and enhancing an existing content management system to meet the specific needs of the CNAFC
- Skills involved: ASP, ADO, ActiveX, Access DBMS, IIS web server, Advanced JavaScript

08/2002 - 12/2005 **Graduate Research Project Lead** CS Dept., Univ. of Tennessee

Project: Repository In a Box (RIB), a web-based software package for creating and managing WWW metadata repositories (Go to <http://icl.cs.utk.edu/rib/> for detail)

- Working on enhancements to RIB 3.0 and serving as technical support
- Completely rewrote RIB in Java as a web application. Released RIB 3.0
- Worked on the interoperation related features of RIB allowing a network of repositories to share information with each other in a scalable and efficient manner. Developed RIB v2.1.2 patch for Unix and RIB v2.1 patch for Windows
- Skills involved: Java Servlet, JDBC, Tomcat, Perl, Java Applet, MySQL, XML, JAXP

05/2002 - 08/2002 **Summer Internship** ECE Dept., Univ. of Tennessee

Project: Rapid DNA Profile Identification for Forensic Applications

- Worked on the multi-threaded search server design and implementation
- Worked on the evaluation of various string correction algorithms for DNA profile matching
- Skills involved: C++, STL, Pthread library, Socket programming

08/2001 - 04/2002 **Graduate Teaching Assistant** CS Dept., Univ. of Tennessee

- Instructed independently in the lab, provided one-on-one help to the students
- Developed strong communication and training skills

10/1998 - 06/2000 **Undergraduate Research Assistant** CS Dept., Nanjing Univ.

- Developed a package of live demos of graph algorithms for educational use (B.S. graduation project)
Skills involved: Visual C++, MFC
- Developed the CS department website as a member of the development team (Go to <http://cs.nju.edu.cn> for detail)
Skills involved: HTML, JavaScript

COURSEWORK:Graphical User Interfaces

- Implemented a Sokoban game board with multiple views and a game board editor
Skills involved: Java Swing, MVC framework, Spreadsheet programming

Information Retrieval

- Built a search engine like system dealing with the creation and management of a large document collection on the WWW (group project)
Skills involved: PHP, Perl, Java, XML

Computer Graphics

- Developed a 3D rendering package that implemented loading of geometries and images, smooth shading, procedural/environment/bump/shadow texture mapping, anti-aliasing and etc.
Skills involved: C, OpenGL

Operating Systems

- Programmed an operating system called JOS for a simulated MIPS machine, with real operating system issues addressed such as multiprogramming, pipes, virtual memory and demand paging.
Skills involved: C, Pthread library

Additional Courses:

- Computer Systems Organization, Foundations, Software Engineer Management, Personal Software Process, Computer Networks, High Performance Networking, Storage & Networking, Principles of DBMS, Complex Systems and Self Organization

TECHNICAL SKILLS:

- Programming Languages
Java, C/C++, Perl, VBScript, Pascal, Assembly Language
- Web Application Techniques
J2EE platform (Servlet/JSP/JavaBeans), JDBC, JNDI, CGI, PHP, ASP, ADO, ActiveX, JavaScript, HTML, XML, RMI, Tomcat, Apache, IIS
- Databases
MySQL, Access, Oracle, FoxPro
- Developmental Tools
NetBeans, JBuilder, Visual C++, MFC, STL, OpenGL, Photoshop, Dreamweaver, Fireworks, MS FrontPage/Access/Word/Excel/PowerPoint, Emacs and others
- Operating Systems
Windows 9x/2000/XP, UNIX, Linux, Solaris

OTHER SKILLS:

- Excellent team player as well as a self-starter and quick learner with creative concepts and strong analytical skills. Respond well in a fast-paced, deadline driven environment.
- Strong interpersonal and communication skills.

AWARD:

- "Best Rendering" award winner in VARCO'02 (Volunteer Annual Rendering Cook-Off 2002)
Go to <http://www.cs.utk.edu/~huangj/CS594F02/varco02/varco02.htm> for detail

WEB PRODUCTS:

- Repository In a Box, Version 3.0 <http://rib.cs.utk.edu/rib3app/>
- International ArtMasters <http://www.intlartmasters.com/>
- Knoxville District Dietetic Association <http://www.discoveret.org/kdda/>
- Music World of Wenli <http://www.wenlizhou.com/>

REFERENCES: Available upon request