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SHIQIANG GUO

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EDUCATION BACKGROUND

Texas A&M University, College Station, TX
M.S., Computer Science, GPA 3.6

Peking University, Peking, China Jul 2006
M.S., Software Engineering

Dalian Maritime University, Dalian, Liaoning, China Jul 2001
B.S., Transportation Engineering

TECHNICAL EXPERTISE

- Reading, tracing and maintaining the source code of legacy systems
- Rich Internet Application Design, User Experience Design, i18n
- OOA/OOD (UML, Design Patterns, Refactoring)

Skills: Java, Python, Open Laszlo, JavaScript, C, C++, PHP, HTML, Pascal, J2EE, Spring, Hibernate, Struts, Lucene, Junit, MS-SQL, MySQL, MongoDB, Linux, SVN, GitHub, NLTK, OpenNLP

PROFESSIONAL EXPERIENCES

Front End/Web Architect Laszlo Systems, Beijing Office, San Mateo, CA Aug 2008 — Jul 2012

- Fixed bugs, optimized the compiler and runtime memory of OpenLaszlo platform.
- Designed software architectures and developed prototypes of projects.
- Led the Laszlo China team to develop projects and communicated with the US team.
- Coordinated the schedules with project managers and trained about 10 new employees.

OpenLaszlo web development platform.

- Fixed the bugs in the compiler, refactored code structure.
- Reduced 20% of the output js file size and 25% of the div number generated in DHTML runtime.

Global Film and Exhibitor Info Management System for a top American producer of film.

- Designed the architecture of the client side, and led a 12-member team to implement it in 11 months in Openlaszlo.
- Designed localization module which allowed users in different countries to localize the UI by themselves in runtime.

Online room painting application for a famous American paint corporation.

- Designed the architecture of the application, and led the team in China to implement it in Openlaszlo.
- Cooperated with UI and UE team to find better user experience, and solved some technical challenges.

Laszlo Webtop, the flagship product of LaszloSystems.

- Led the team in China to develop, customize, and maintain Webtop System in Openlaszlo, to allow end users to access their email, address books, and social networking applications from a dynamic, branded web-based environment.

Tech Lead Rich Web Inc. Beijing, China Jul 2006 — Jul 2008

- Participated in all the software development processes, such as requirement analysis, prototype design, architecture design, and project implementation.

Xanadu Framework, a framework for RIA development.

- Designed the RIA framework to improve the development speed and reduce the server load of Rich Internet Application.

Xanadu Webtop platform (WebOS prototype)

- Designed a prototype platform, which provided a desktop like environment in browser. End users could add and remove apps in it, and developers could develop their own apps for it.

Video-sharing Website

- Designed the front-end and back-end of a Video-sharing website, using Spring, Hibernate, Lucene and Mysql.

Software Engineer Intern GE Healthcare, RIS department, Beijing, China Mar 2004 — Aug 2005

- Designed the data integration framework between HIS (Hospital Information System) and RIS (Radiation Information System).

OTHER PROJECTS

Pattern recognition using deep learning network

- Implemented the algorithm of deep learning network to recognize the synthetic and sketch characters.

HONORS AND AWARDS

- “Winner Prize” of “IBM Cup” University Innovation Design Contest, Dec 2005
- First Prize of China Undergraduate Contest in Mathematical Modeling, Oct. 2000

PUBLICATIONS

Maxin, Guo shiqiang, Wangjia “ Model for Ordering and Transportation of Pipeline”, *Mathematics in Practice and Theory*, Vol. 31, No. 1, 2001

Guo Shiqiang, “ RIA Development Technique based on Adobe Flash ” , *Software World*, No.15, August,2007