

Zhao Qi (赵祺)

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Education

- 2006.9 – 2012.7, Software Engineering Institute, Peking University
Ph.D. in Software Engineering (Recommended), Tutor: Prof. Hong Mei
- 2002.9 – 2006.7, Peking University
Bachelor in Computer Science

Research Interests

- Rich Internet Application and Rich Client
- Web 2.0
- Service Computing
- Software Process

IT & English Skills

- Front-end: JavaScript/HTML/CSS (jQuery, Dojo), ActionScript;
- Back-end: Ruby (on Rails 1.x - 2.x), Python, PHP, Java, dotNet(C#), C++;
- Database: SQL (MySQL);
- Methodology: Software Engineering Theories, including UML/UP, Agile, Pattern;
- English: CET-6. Published 10 English papers and presented at conferences.

Awards and Honors

- 2010, IBM Global Ph.D. Fellowship Awards (**only 8 winners in China at 2010**).

Research Projects

- **2009.4 – present, Browser-based Middleware for Service-Oriented Rich Client (973 Program)**
 - Proposed a new type of middleware embedded in web browsers. The middleware encapsulates reusable solutions for data access, javascript migration and UI adaptation for rich clients;
 - Leded a six-person team (two Ph.D students, one master student and four Undergraduates) to implement the middleware;
 - Published 4 papers as the first author, 1 papers as the second author, and *received 2 best paper awards*.
 - **2006.9 – 2010.1, Enterprise Mashup Composition Environment (National 973 Program)**
 - Proposed the component and composition model of mashup infrastructure, designed an on-the-fly mashup approach;
 - Implemented the mashup composition environment, iMashup;
 - Published 3 papers as the first author, and 2 papers as the second author.
 - Video Demo - http://v.youku.com/v_show/id_XMjM3ODIxMTQ4.html
 - Source code - <https://github.com/sakinijino/imashup>
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Internship

- **2011.5 – present, Douban.com, Product Manager Intern**
 - Surveyed several reading web sites, such as SNDA, Instapaper, and iOS reading apps;
 - Designed Douban's reading product;
 - Worked with developers for implementing the product.
- **2010.6 – 2011.2, IBM China Research Laboratory, Ph.D. Fellow Visiting Student**
 - Integrated the Web front-ends of two cloud platforms, TSAM and Jomo.
- **2007.7 – 2009.2, Douban.com, Software Engineer Intern**
 - Survey of APIs of Facebook, Twitter, Amazon, etc.;
 - API design, including API authentication, types, structure, and input and out for each API;
 - API references documentation;
 - Implemented an API JavaScript library, and API demos for Ruby and C#.
- **2006.2 – 2007.6, IBM China Research Laboratory, Software Engineer Intern**
 - Implemented a Web service composition environment embedded in Web browser;
 - Migrated Eclipse Graphical Editor Framework (GEF) into Web browser.

Individual Projects

- **2008.1 – present, Wefootball.org, Product Designer & Key Programmer (Four-person Team)**

Wefootball.org is a Football Social Networking Website (SNS). Users can create football team, and arrange trainings and matches.

 - Requirement analysis and product design;
 - System development and deployment (based on Ruby on Rails and JavaScript - jQuery);
 - Participated in the website's promotions.
 - Website - <http://www.wefootball.org>
 - Source code - <https://github.com/sakinijino/wefootball>
- **2007.9 – 2007.12, Paper Management System, Product Designer & Key Programmer (Two-person Team)**

Multiple Users Paper Management Systems.

 - Product design and system development (based on Ruby on Rails);
 - Deployed the system in the Institute of Molecular Medicine, Peking University.
 - Online site - <http://pms.sakinijino.com>
 - Source code - <https://github.com/sakinijino/Paper-Management-System>
- **2006.1 – 2006.7, Worldlog, Key Programmer (Two-person Team)**

Worldlog is a Geo-Location Markup Web Application based on Google Map.

 - System development (based on PHP and JavaScript).
 - Source code - <https://github.com/sakinijino/worldlog>

Publications

- **Translations**
 - Simon, L., & Edd D. (2010). Learning Rails (Jiakuan Ma, Qi Zhao, Shen Liu, Trans.). China Machine Press, China. (Translated 7 of the 19 chapters)
- **Research Papers**
 - Xuanzhe Liu, *Qi Zhao*, et al. Composing Data-Driven Services Mashups with Tag-based

Semantics. ICWS 2011.

- Xuanzhe Liu, **Qi Zhao**, et al. Assisting End-User Programming for the Service-Oriented Web. ASE 2010. (EI: 20104913467693)
- **Qi Zhao**, Xuanzhe Liu, et al. Towards a Data Access Framework for Service-Oriented Rich Clients. SOCA 2010.
- **Qi Zhao**, Xuanzhe Liu, et al. Mashing-up Rich User Interfaces for Human-Interaction in WS-BPEL. ICWS 2010. (EI: 20104013271177)
- **Qi Zhao**, Xuanzhe Liu, et al. A Browser-based Middleware for Service-Oriented Rich Client. ICSS 2010. (**The ONLY WINNER of Best Paper Award**) (EI: 20103013102043)
- **Qi Zhao**, Jiyu Huang, et al. Feature Interaction Problems in Web-based Service Composition. ICFI 2009.
- Gang Huang, **Qi Zhao**, et al. Towards Service Composition Middleware Embedded in Web Browser. CyberC 2009. (**The ONLY WINNER of Best Paper Award**) (EI: 20095312585909)
- **Qi Zhao**, Gang Huang, et al. An On-the-fly Approach to Web-based Service Composition. ICWS 2008. (EI: 20092612153676)
- **Qi Zhao**, Gang Huang, et al. A Web-based Mashup Environment for On-the-fly Service Composition. SOSE 2008. (EI: 20091211969439)
- **Qi Zhao**, Gang Huang, et al. Towards a Component Model for Web-based Service Composition. Journal of Frontiers of Computer Science and Technology. 2008 2 (4): pp 378-388.