

Guozheng Ge

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Summary Computer Science Ph.D. with extensive hands-on experience in developing various software projects, model-based code generation techniques and tools. Strong system analysis and design capabilities. Good communication skills and commitment to teamwork. Strong interest in model-based code generation tool development, Web application or mobile device application development. Bi-lingual in English and Chinese. Have permanent residency and no need for H1 and green card sponsorship.

Skill Summary

- **Programming languages:** Java, Python, C++, C(in descending order of proficiency)
- **Web application development:** XHTML, CSS, JavaScript, AJAX, PHP
- **Open source tools:** Spring, Wicket, Ant, Maven, JUnit, Tomcat, Jetty, CVS, SVN, Bash programming
- **Database development:** MySQL, HSQLDB, SQLite, Hibernate ORM, XML/XSD/XSLT/XPath/XQuery
- **Eclipse platform:** Plug-in and RCP applications, Eclipse modeling (EMF, GEF and GMF)
- **Others:** WindowsXP/2003 Server, Ubuntu and OpenSUSE admin, RegEx

Education **Ph.D., Computer Science**, University of California, Santa Cruz (**May 2008**)
M.S., Innovation in Manufacturing System and Technologies, joint program between Nanyang Technological University, Singapore, and Massachusetts Institute of Technology, USA (**June 2001**)
B.E., Information Science and Technology (Honor Class), Xi'an Jiaotong University, China (**June 2000**)

Experience **Graduate Student Researcher**, *University of California*, Santa Cruz **9/2001- 3/2008**

- **Rhizome: Feature Modeling and Code Generation Platform:** Designed a feature modeling language and a template-based code generation platform for software feature modeling and automatic code. Generated a product family of online exam Web application systems that integrates Spring, Wicket, Hibernate, and MySQL.
- **Bamboo: Automatic Generation of Version Control Systems:** Domain analysis with a large group of version control systems such as SCCS, RCS, CVS, ClearCase, Perforce and Subversion. Designed and implemented a selector-style code generator that automatically produced simple version control systems based on different feature model configurations.

Summer Intern, Content Management Group, IBM Almaden Researcher Center, San Jose, CA **6/2004 - 8/2004**

- **Business Rule Processing Gateway:** developed a gateway to validate business rules for XForm-based customer forms. This is part of an automatic paper form scanning and processing system that IBM was developing for customers. Business rules cover both client and server side validation. Designed Event-Condition-Action rules and implemented gateway using ABLE (Agent Building and Learning Environment), a rule engine developed by IBM. Applied this gateway in a demo auto-loan application and filed a patent based on the design and implementation.

Summer Intern, China Telecom, Changshu, China **8/1999- 10/1999**

- **System Administration:** developed a server-side module that generated electronic phone bills for customers to pay bills online or over the phone. Also helped design and maintain Yu Cheng Hotline (<http://www.cs.js.cn>), a famous portal site for Changshu city.