
Eric J. Winter

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An Analyst/Programmer with experience in scientific application development and as a Research Technologist looking to from a entry-level Analyst-Programmer position into a career track position at company with rich software development foundations.

Summary of Qualifications

- Experience in Object-Oriented Analysis/Design working from the problem statement to design.
- Experience with Enterprise programming with Java EE including JSP and Servlet development.
- Use of cutting edge technologies (GWT and Hibernate) for construction or rich-client scientific applications.
- Knowledge of SOA concepts and strategies.
- Strong interest in all stages of the development life-cycle.
- Strong desire and ability to expand knowledge in new technologies and products.

Technical Expertise

Languages	Java, C#, VB .net, C++, Python, Groovy, Perl, Unix Shell (BASH), HTML, CSS, XML, SQL
Frameworks/ APIs	Java EE(JSP&Servlet), TestNG, JUnit, Swing, Log4j, Hibernate, JDBC, GWT, SAX, Javadoc, Java2D Imaging
Concepts	OOA/OOD(UML, design patterns, refactoring), concurrency, Enterprise development, SOA, image processing, statistical analysis, test-driven development, requirements and project management, database design, software usability, team dynamics
Software	Eclipse, NetBeans, IntelliJ IDEA, Visual Studio, Maven build management, SVN version control, Trac Project Wiki, MS-Office (Word, Excel, Access), JMP
Systems	Linux, Mac OS X, Windows (98, 2000, XP)

Professional Experience

Analyst/Programmer

Mayo Clinic College of Medicine

April 2007-Present

- Created a biological sequence database compiler with a rich-client web interface using GWT and Hibernate from project definition through several releases of added functionality.
- Integrated the above application with other facets of a multi-module project written by other developers and improved the discovery potential of laboratory personnel.
- Aided other developers with both GWT and Hibernate which were new technologies to the group.
- Successfully worked with several technologies that were new to everyone in the group.

Research Technologist

Mayo Clinic College of Medicine

June 2001-April 2007

- Designed and developed applications used for both attainment and analysis of clinical research data.
- Presented at an international Ophthalmology conference (ARVO) four consecutive years.
- Acquired, analyzed, and aided presentation of data in scientific papers and presentations.
- Performed experiments in the wet lab setting as well as clinical research projects.
- Designed and organized laboratories research data into a relational database improving the analytical power of the group.

Education

Winona State University, Winona, MN
B.S. in Computer Science, 2006

Minnesota State University, Moorhead, MN
B.A. Biology, B.A. Chemistry, 2001