

Irina Ros

Education	May 2006	University of Massachusetts at Amherst	MA
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- Bachelors of Science in Computer Science - GPA: 3.848
- Graduated with Honors (*Summa Cum Laude*) from Commonwealth College
- Relevant Courses: Advanced data structures; Programming language paradigms; Computer Architecture; Advanced computer Algorithms; Software Engineering I and II; Operating Systems; Society and computing; Artificial Intelligence; Computer Networking, Project Management

Skills

- *Programing Languages:* Java, C++, XML, XQuery, XPath, JavaScript (inc. Ajax), Ruby on Rails, CSS, PHP, ASP, Ant, HTML, Shell Scripting, Lotuscript, UML, Scheme, Lisp, TCL
- *Operating Systems:* Windows, Unix, MacOSX, AIX
- *Software:* Textmate, Eclipse, Cygwin, Postgresql, MySQL, Adobe Photoshop and Illustrator, Macromedia Flash, MS Visual Studio, Websphere Portal, Lotus Domino, Notes, Designer, Administrator. VMWare Workstation, Vi

Work Experience	06/2008 - Present	Collaborative User Experience Group – Visual Communication Lab, IBM Research	Cambridge, MA
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- Research Developer
- Ported from J2EE to Ruby on Rails and further developed the Many Eyes (<http://many-eyes.com>) collaborative visualization tool that allows users to gather data, visualize it, and discuss their visualizations. Designed and Developed features and components for the application.
- Designed/developed features/UI and assisted in launching the New York Times Visualization Lab (<http://vizlab.nytimes.com>), which is a derivation of Many Eyes.
- Currently designing and developing innovative visualization techniques for large bodies of text, with a focus on government transparency.

Skills and Toolsets used: Ruby on Rails, Java, JavaScript, Textmate, Apache configuration, Memcached, test driven development, deployment, css, Prototype, Scriptaculous, design patterns, such as mvc, visualization theory, database optimization, performance monitoring and server optimization, RMagick

2005-2008	Lotus, IBM	Westford, MA
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- Staff Software Engineer
- Designed, architected and led the development of a static server analysis engine for a new product offering, Lotus Domino Configuration Tuner (DCT.)DCT analyzes existing servers for Domino best/worst practices. In conjunction, led the first IBM product integration of Saxon, an XQuery open source engine.

Skills and toolsets used: XML schema architecture, competitor analysis and reverse engineering, open source community involvement and integration, communication with design partners, best and worst practices discovery and analysis, development in Java, LotusScript and xQuery using Eclipse, MS Visual Studio and Domino Designer.

- Maintained, extended and developed features for the Domino Web Administration client,

