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## Dmitry Ratnikov <ratnikov@gmail.com>

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### EDUCATION

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#### Illinois Institute of Technology:

**Bachelor of Science in Computer Science**

*August 2003 - December 2007*

**Bachelor of Science in Physics**

*August 2003 - December 2007*

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### WORK EXPERIENCE

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#### Web Developer at Webitects, Inc

*February 2008 - Present*

- Lead developer for [www.communitycollab.org](http://www.communitycollab.org) social networking portal.
- Maintaining Subversion and Git code repositories.
- Maintaining a small number of VirtualBox staging servers.

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### INTERNSHIPS

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#### Fermilab Computing Division

*May 2006 - August 2006, May 2007 - August 2007*

- Created TablePlotter web interface to generate statistics plots of database data using Tomcat JSP implementation.
- Used Google Web Toolkit to implement the client interface.

#### Argonne National Laboratory

*August 2005 - May 2006*

- Conducted research on applicability of aspect-oriented design practices to MySQL database patching.
- Conducted an evaluation of FroNTier Distributed Database project usage in the ATLAS experiment at CERN.

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### SKILLS

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#### Web development:

- Ruby on Rails:
  - 15 months of rails work experience.
  - Have contributed a patch to the rails core.
  - Extracted and customized various rails plugins and gems.
  - Proficient with ruby core language.
- Javascript:
  - Proficient with jQuery library.
  - Highly proficient with unobtrusive javascript techniques.
  - Developed `ajax_resource` javascript library, a javascript implementation of REST resources ([http://github.com/ratnikov/ajax\\_resource/tree](http://github.com/ratnikov/ajax_resource/tree))
- Testing:
  - 10 months work experience of Test Driven Development using Shoulda testing framework.
  - Extended Shoulda to utilize setup - evaluate - check/should workflow.
  - Utilized cucumber (webrat + selenium) for integration testing.
  - Javascript unit testing using QUnit.
- Highly proficient with RESTful web application design.
- Used Sphinx for website text-search of [www.communitycollab.org](http://www.communitycollab.org).
- Used both Mongrel cluster and Passenger deployments.

#### Other:

- Proficient using Git and Subversion.
- Long time Linux developer (Ubuntu, Archlinux, Redhat).
- 4 years of Java experience.
- 7 years of C++ experience.