# Dmitry Ratnikov <ratnikov@gmail.com>

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## EDUCATION

**Illinois Institute of Technology:**

**Bachelor of Science in Computer Science**      *August 2003 - December 2007*

**Bachelor of Science in Physics**      *August 2003 - December 2007*

## WORK EXPERIENCE

**Web Developer at Webitects, Inc**      *February 2008 - Present*
- Lead developer for www.communitycollab.org social networking portal.
- Lead developer for the www.webitects.com website.
- Maintaining Subversion and Git code repositories.
- Maintaining a small number of VirtualBox staging servers.

## INTERNSHIPS

**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.

## SKILLS

**Web development:**
- Ruby on Rails:
  - 15 months of rails work experience.
  - Contributed 2 patches to 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`)
- 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.
- Used both Mongrel cluster and Passenger deployments.

**Other:**
- Proficient using Git and Subversion.
- Long time Linux developer (Ubuntu, Archlinux, Redhat).
- Experienced with MySQL and SQlite3 databases.

- 4 years of Java experience.
- 7 years of C++ experience.