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# Dmitry Ratnikov <ratnikov@gmail.com>

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Chicago, IL 60613

## 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*

## WORK EXPERIENCE

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**Web Developer at Webitects, Inc** *February 2008 - Present*

- Co-developer for My.SEIU.org organizational portal.
- Lead developer for webitects.com, a CMS site with a built-in blog.
- Lead developer for communitycollab.org social networking portal.
- Maintained Subversion and Git code repositories.
- Created a virtualized staging environment built on VirtualBox.

**Fermilab Computing Division** *May 2006 - August 2007, May 2007 - August 2007*  
(Internship)

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

**Argonne National Laboratory** *August 2005 - May 2006*  
(Internship)

- Researched on applicability of aspect-oriented design practices to MySQL database patching.
- Evaluated FroNTier Distributed Database project usage in the ATLAS experience at CERN.

## INDEPENDENT PROJECTS

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**Opendata (<http://opendata.heroku.com>)** *October 2009 - Present*

- Developing a system to import and store public data with a JSON API.
- Developing applications to provide visualization of the stored data.
- Currently maintaining 15 years of donation data for Illinois elections.

**Potholes (<http://pothole.heroku.com>)** *October 2009 - Present*

- Tracks pothole information uploaded by users via twitpic service.
- Provides automatic geocoding of potholes based on tweet text.

## SKILLS

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### Web development

- 2 years of Ruby on Rails work experience with 3 patch contributions (<http://bit.ly/h7lRx>)
- 2 years of javascript experience, including jQuery and unobtrusive javascript techniques and prototypal inheritance.
- 4 years of java experience including Apache Tomcat and Google Web Toolkit technologies.
- Fluent in (X)HTML and CSS

### Testing

- Highly proficient with ruby unit testing (shoulda and rspec)
- Highly proficient with javascript unit testing (QUnit and Screw-Unit)
- Highly proficient with black-box acceptance testing using cucumber + selenium.

**Other**

- Proficient using Git and Subversion.
- Used Sphinx to provide full text searching.
- Long time Linux developer (Ubuntu, Archlinux, Redhat).
- Member of IIT ICPC competition team for 4 years (Mid-Central USA region).
- 4 years Java experience; 7 years of C++ experience.