

**Yan Duan**  
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<http://www.rockyduan.com>  
<https://github.com/dementrock>

## Education

- **University of California, Berkeley**  
*Expected Graduation: Spring 2014*  
– Major in Mathematics, Computer Science, and Statistics  
– GPA 3.964 by end of Fall 2012.

Berkeley, CA

*Aug. 2011 - Present*

## Course Work

- Mathematics  
Multivariable Calculus, Mathematical Analysis, Topology and Analysis (one-year sequence)<sup>1</sup>, Mathematical Logic, Abstract Algebra, Linear Algebra, Differential Equations, Combinatorics
- Computer Science  
Data Structures, Machine Structures, Operating Systems, Algorithms, Artificial Intelligence, Computer Vision<sup>1</sup>
- Statistics  
Probability and Statistics<sup>1</sup>, Statistical Learning Theory<sup>1</sup>, Time Series<sup>1</sup>

## Experience

- **EdX**  
*Web Developer*  
– Worked on the discussion platform used in edX.  
*Jun 2012 - Sep 2012*
- **Coursesharing**  
*Web Developer*  
– Worked on interactive question editor for an online education platform used in Berkeley. Later merged into edX.  
*Feb 2012 - Sep 2012*
- **BCSSA IT Department**  
*Webmaster*  
– Routine website management. Refer to <http://bcssa.us/wp/>.  
– Wrote a small program to match people in a speed-dating social event.  
*Sep 2011 - Present*
- **MIT InvenTeam**  
*Web Developer*  
– Developed the demo website for the project *Central Control System of Taxis*  
– Wrote codes for the simulation of taxi, the control system with three allocation algorithms, and the interaction between the front end and server. Refer to <http://smsmit.org/display/>.  
*Jan 2011 - Jun 2011*

## Skills

**Programming Languages** Python, Ruby, JavaScript, Matlab, R, C, C++, Java, Common Lisp, PHP, Pascal

**Web Frameworks** Django, Ruby on Rails, Sinatra, Flask, Node.js

**Operating Systems:** Mac OS X, Linux (Ubuntu), Windows

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<sup>1</sup>Graduate level courses.

## Other Projects

- Command-line style homepage: <http://www.rockyduan.com>.

## Awards

- William Lowell Putnam Mathematical Competition
  - Top 150, 2012
- Coding for Grub
  - 2nd Place, Nov. 18 2011
- ACM Intercollegiate Programming Contest, Pacific NW Region
  - 4th Place, 2012
  - 10th Place, 2011
- Berkeley Programming Contest
  - 2nd Place, 2012
  - 4th Place, 2011
- National Olympiad in Informatics (NOI), China
  - 3rd Prize, 2010
- National Olympiad in Informatics in Provinces (NOIP), China
  - 1st Prize, Senior Division, 2010
  - 1st Prize, Senior Division, 2009
  - 2st Prize, Senior Division, 2008
- S. - T. Yau High School Mathematics Awards
  - 2nd Prize, Regional (Southern Region), 2010