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## Education

- **University of California, Berkeley**  
*Freshman*  
Berkeley, CA  
*Aug. 2011 - Present*
  - Intend to double major in Mathematics and Computer Science.
  - GPA 3.88 by end of 2011 fall semester.

## Course Work

- Mathematics  
Multivariable Calculus, Real Analysis, Abstract Algebra, Basic Linear Algebra and Differential Equations
- Computer Science  
Structure and Interpretation of Computer Programs

## Experience

- **BCSSA IT Department**  
*Webmaster*  
*Sep 2011 - Present*
  - Routine website management. Refer to <http://bcssa.us/wp/>.
  - Wrote a small program to match people in a speed-dating social event.
- **MIT InvenTeam**  
*Web Developer*  
*Jan 2011 - Jun 2011*
  - 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/>.

## Skills

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

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

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

**Miscellaneous** Excellent algorithm designing skills

## Other Projects

- A website to share math problems. Prototype in progress. Refer to <http://dev.innostaa.com/>.
- A pdf cutter written in Python to cut scanned two-page documents into one-page format. Refer to <https://github.com/dementrock/pdfcutter>.
- A web service for Berkeley students to monitor course enrollment status and course page modifications. Refer to <https://github.com/dementrock/ninjahelper> and <http://ninjahelper.com/> (kind of a helper for the schedule website <http://ninjacourses.com/>).
- An online pastebin which supports LaTeX and markdown with real time preview. Refer to <https://github.com/dementrock/textbin> and <http://texb.in/>.
- Command-line style homepage: <http://www.rockyduan.com>.

## Awards

- Coding for Grub
  - 2nd Place, Nov. 18 2011
- ACM Intercollegiate Programming Contest, Pacific NW Region
  - 10th 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