

## Richard Zou

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<b>Contact</b>	richardzou@college.harvard.edu (212) 851-6278	46 Quincy Mail Center Cambridge, MA 02138
<b>Education</b>	<b>Harvard University</b> , Cambridge, MA <i>A.B. Candidate in Mathematics and Computer Science</i> • Cumulative GPA 3.84 • Current Coursework (Fall 2014): Algorithms and Complexity, Systems Programming and Machine Organization, Probability • Completed Coursework: Computer Science II: Abstraction and Design, Organic Chemistry I, Honors Linear Algebra, Honors Real Analysis <b>Hunter College High School</b> , New York, NY <i>High School Diploma</i> • Cumulative GPA 3.97 <b>Columbia University</b> , New York, NY <i>Visiting Student</i> • Completed college courses for high school credit. Cumulative GPA 3.96 • Completed Coursework: Numerical Algorithms, Advanced Programming, Quantum Computing, Multivariable Calculus, Linear Algebra	May 2017           Sep. 2011 – May 2013
<b>Technical Skills</b>	<b>Languages:</b> Proficient: Java, C/C++, Python, R, OCaml Basic: JavaScript, HTML <b>Tools and OS:</b> AMPL/CPLEX, MATLAB, Mathematica, D3.js, Windows, Unix, L <sup>A</sup> T <sub>E</sub> X <b>Website:</b> zou3519.github.io	
<b>Experience</b>	<b>Akamai Technologies</b> , Cambridge, MA <i>Software Engineering Intern</i> Developed analytical load-balancing tools using linear programming to improve the performance of a distributive monitoring system spanning 140,000 machines by up to 40 times. Analyzed thousands of data points using R and Python and designed new visualizations of Akamai's cloud platform in JavaScript with D3.js and Google Charts.	Summer 2014
<b>Awards and Honors</b>	National AP Scholar Award, <i>2013</i> National Winner, Continental Math League Calculus Division, <i>2013</i> 6th Place Team, American Regional Mathematics League, <i>2013</i> 1st Place Individual, NYC Interscholastic Math League Junior Division, <i>2012</i>	
<b>Leadership and Activities</b>	<b>Harvard Developers for Development</b> , Cambridge, MA <i>Community Chair</i> <i>Project Fellow</i> Designed community-building events for fifty students interested in CS and international development. As Project Fellow, implemented data collection tools in Python for emergency medical situation response. <b>Harvard Undergraduate Math Association</b> , Cambridge, MA <i>Academic Events Chair</i> Organized social and academic events including a summer opportunities panel for fifty students. Promoted a sense of community among math majors and interested students. <b>Phillips Brooks House Association</b> , Cambridge, MA <i>Volunteer, Pets as Therapy</i> <b>I-HELP Liberia Project</b> , Monrovia, Liberia <i>Co-Director, Summer Vacation Workshop 2012</i> Coordinated four volunteers to teach thirty underprivileged middle-school students math and science. Inspired students to become leaders in science through the pursuit of research projects involving their environment.	Feb. 2014 – Present Sep. 2013 – May 2014       Sep. 2013 – Present       Summer 2012