

Richard Zou

Contact	richardzou@college.harvard.edu (212) 851-6278	46 Quincy Mail Center Cambridge, MA 02138
Education	Harvard University , Cambridge, MA <i>A.B. Candidate in Mathematics and Computer Science</i> May 2017 <ul style="list-style-type: none">Cumulative GPA 3.84Current Coursework (Fall 2014): Algorithms and Complexity, Systems Programming and Machine Organization, ProbabilityCompleted Coursework: Computer Science II: Abstraction and Design, Organic Chemistry I, Honors Linear Algebra, Honors Real Analysis Hunter College High School , New York, NY <i>High School Diploma</i> June 2013 <ul style="list-style-type: none">Cumulative GPA 3.97 Columbia University , New York, NY <i>Visiting Student</i> Sep. 2011 – May 2013 <ul style="list-style-type: none">Completed college courses for high school credit. Cumulative GPA 3.96Completed Coursework: Numerical Algorithms, Advanced Programming, Quantum Computing, Multivariable Calculus, Linear Algebra	
Technical Skills	Languages: Proficient: Java, C/C++, Python, R, OCaml Basic: JavaScript, HTML Tools and OS: AMPL/CPLEX, MATLAB, Mathematica, D3.js, Windows, Unix, L ^A T _E X	
Experience	Akamai Technologies <i>Software Engineering Intern</i> Summer 2014 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.	
Awards and Honors	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>	
Leadership and Activities	Harvard Developers for Development <i>Community Chair</i> Feb. 2014 – Present <i>Project Fellow</i> Sep. 2013 – May 2014 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. Harvard Undergraduate Math Association <i>Academics Events Chair</i> Sep. 2013 – Present Organized social and academic events including a summer opportunities panel for fifty students. Promoted a sense of community among math majors and interested students. Phillips Brooks House Association <i>Volunteer, Pets as Therapy</i> Sep. 2013 – Present I-HELP Liberia Project <i>Co-Director, Summer Vacation Workshop 2012</i> Summer 2012 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.	