

Richard Zou	http://richardzou.me	
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 Computer Science</i> , Cumulative GPA 3.89 May 2017 <ul style="list-style-type: none"> Coursework in: Systems Programming, Algorithms & Complexity (with data structures) Probabalistic Algorithms, Machine Learning, Statistical Linear Models, Probability Hunter College High School , New York, NY <i>High School Diploma</i> , Cumulative GPA 3.97 June 2013 Columbia University , New York, NY <i>Visiting Student</i> , Cumulative GPA 3.96 Sep. 2011 – May 2013 <ul style="list-style-type: none"> Completed intro and advanced undergraduate courses for high school credit. Coursework in: Numerical Algorithms, Programming Languages, Linear Algebra, Advanced Programming, Quantum Computing, Multivariable Calculus 	
Technical Skills	Java, C/C++, Python, OCaml Go, JavaScript, HTML/CSS	
Experience	LiveRamp , San Francisco, CA <i>Software Engineering Intern</i> Summer 2015 <ul style="list-style-type: none"> Refactored MapReduce workflows that generate data stats for terabytes of data daily to run more efficiently. Implemented a dynamic pipeline UI to visualize and document LiveRamp's data workflows. Worked across the whole stack, utilizing JavaScript, Ruby on Rails, Java, and MapReduce. Akamai Technologies , Cambridge, MA <i>Software Engineering Intern</i> Summer 2014 <ul style="list-style-type: none"> 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 interactive visualizations of Akamai's cloud platform in JavaScript with D3.js. 	
Selected Projects	RecipeBox Web App , 2015 Developed as a collaboration between the Peace Corps and Harvard Developers for Development, RecipeBox is a web app that collects, organizes, and shares the recipes collected by the Peace Corps' volunteers from all over the world. Coded in Google Go. http://bit.ly/1BdceFD Machine Learning: Learning to play Connect Four , 2014 A simple command line Connect Four game. We trained a neural network to play the game using genetic algorithms and a minimax AI. Coded in Java. http://bit.ly/1zgaSw0 See more of my projects at my Github account: http://github.com/zou3519	
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 , Cambridge, MA <i>Term-Time Projects Co-Director</i> Jan. 2015 – Present <ul style="list-style-type: none"> Oversee and manage five social impact technology project teams of 3-6 people each. Collaborate with partner organizations such as the Peace Corps and mentor student teams to deliver web, mobile, and software products in social impact technology. Harvard Undergraduate Math Association , Cambridge, MA <i>Webmaster and Media Chair</i> Jan. 2015 – Present <i>Academic Events Chair</i> Sep. 2013 – Dec. 2014	