

# MICHAEL A. BALL

(909) 993-3988 | ball@berkeley.edu | <http://michaelballphoto.com>

EDUCATION	<b>University of California, Berkeley: Computer Science, Class of 2015</b>	
	Overall GPA: 3.0 <ul style="list-style-type: none"><li>Calculus (MATH 1B), Linear Algebra &amp; Differential Equations (MATH 54), Discrete Math &amp; Probability (CS 70)</li><li>Structure &amp; Interpretation of Computer Programs (CS 61A), Data Structures &amp; Algorithms (CS 61B), Machine Structure (CS 61C), Computer Networking (EE122), Intro. Digital Electronics (EE42)</li><li>Emerging Education Technology (CS 294), History of Information (Info C103), Future of eBooks (Info 290)</li></ul>	
EXPERIENCE	<b>UC Berkeley: Computer Science 10</b>	1/2012–present
	Student Instructor, Video Producer, Developer <ul style="list-style-type: none"><li>3 semesters (and counting) Independently taught two, 30+ student sections</li><li>Developed new course material to teach students new to computer science</li><li>Held office hours; Created, graded exams and gave lectures for a large intro CS class</li><li>Produced CS10.x and online version for edX, leading all video production efforts</li></ul>	
	<b>Salesforce.com Summer Intern</b>	5/2013–8/2013
	IT Application Development <ul style="list-style-type: none"><li>Independently developed a web app for the Salesforce App Exchange for Account Executive Forecasting</li><li>Migrated Legacy code to modern frameworks</li><li>Built on HTML5, CSS3, javascript, Apex, VisualForce</li></ul>	
PROJECTS	<b>UC Berkeley: Computer Science 61A</b>	6/2012–8/2012
	Course Reader <ul style="list-style-type: none"><li>Graded projects, homework assignments, and exams for the summer session</li><li>Held multiple weekly office hours and led review sessions</li><li>Collaborated with a team of readers, TA's, and professors keep to 250-student course running smoothly</li></ul>	
	<b>Personal Website Development</b>	6/2006–present
	<ul style="list-style-type: none"><li>Self-taught website development as a hobby for 6+ years</li><li>Developed multiple iterations of a personal site for photography and iOS apps</li><li>Used HTML, CSS, jQuery, and Python to create a site which is easy to maintain and add content</li><li>Created and maintained many websites for classes, school clubs, and other organizations</li></ul>	
LEADERSHIP	<b>Quad Solver: iOS Application Development</b>	7/2008–12/2011
	<ul style="list-style-type: none"><li>Self-taught Objective-C and iOS app development as a small project and hobby</li><li>Solves a quadratic equation and gives many different solutions (roots, graph symmetry, etc)</li><li>Focus on clean UI design and usability, especially for users not familiar with math or with disabilities</li></ul>	
	<b>Lines of Action (CS61B, Fall 2012)</b>	
	<ul style="list-style-type: none"><li>Built a command line interface to play Lines of Action, a two-player checkers derivative</li><li>Used Java and Object-Oriented design to build a simple game with a computer player</li></ul>	
SKILL SET	<b>Scheme Interpreter (CS61A, Spring 2012)</b>	
	<ul style="list-style-type: none"><li>Used Python to build a simple interpreter for scheme</li><li>Implemented a syntax parser and lexer.</li></ul>	
	<b>Ruben S. Ayala High School United Student Body</b>	9/2007–6/2011
	<ul style="list-style-type: none"><li>Elected: USB Vice President (Sr.), Appointed: Commissioners of Publicity (Jr.) and Technology (So.)</li><li>Responsible for running school elections (2400 students), managing production of announcements, updating school marquees, keeping faculty updated on student activities</li><li>Managed a class of 50-60 students and many smaller groups of 5-10 people</li><li>Integral in administrative events including WASC accreditation, Distinguished School Awards, others</li></ul>	
SKILL SET	<b>Ayala High School &amp; US National Debate Teams</b>	9/2007–6/2011
	<ul style="list-style-type: none"><li>Co-Founded club freshmen year, which quickly became successful on campus and won Club of the Year</li><li>Won numerous awards at dozens of competitions and trained new award winning debaters</li><li>Traveled to New Zealand as part of the US National Debate Team and debated against other nations</li></ul>	
SKILL SET	<b>Skill Set</b>	
	<ul style="list-style-type: none"><li>Proficient: Apex, CSS, HTML, Python, UNIX/bash, Java, Apex</li><li>Basic Experience: AppleScript, C, git, JavaScript, jQuery, MapReduce, Ruby, scheme</li><li>Apple Certified Professional Aperture 3; Apple Certified Associate Mac OS X Integration</li><li>Video Production, editing/compositing, live production, workflow management and DAM</li></ul>	