Michael Ju
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Education:

Irvington High School, Fremont, CA
National Merit Scholarship Finalist
September 2010 – June 2014, GPA: 4.0 unweighted

University of California, Berkeley, Berkeley, CA
Regents and Chancellors Scholar
August 2014 – Present, GPA: 4.0

Projects:

Pollsite - December 2014
Skills used: Django, Bootstrap, HTML/CSS, JavaScript, jQuery
Designed a database-backed website that allows users to create a Pollsite account, log in and log out, and create and remove polls on which other members of Pollsite can vote; focused on understanding the Django model-view-template system

Personal Website – December 2014
Skills used: Bootstrap, HTML/CSS, JavaScript, jQuery
Created a website to describe coursework in detail and act as a repository to finished and in-progress project code

Scheme Interpreter – November 2014
Skills used: Python
Worked with a partner to make an interpreter in Python for the Scheme language; implemented basic arithmetic, lambda expressions with both lexical and dynamic scope, and Scheme special forms, like quote, if, and cond; focused on the mutual relationship between evaluation and application

Coursework:

CS61A: Structure and Interpretation of Computer Programs
September 2014 – December 2014
Covered numerous programming paradigms and topics in Python, including recursion, object-oriented programming, and data structures like trees, linked lists, and streams; also became familiar with Scheme and functional programming topics like tail calls, as well as SQL and its features, including joins and recursive queries

CS61B: Data Structures and Advanced Programming
January 2015 – May 2015 (current course)
Will discuss fundamental data structures like linear lists, queues, and hash tables; will also go over algorithms for sorting, searching and storing data

CS70: Discrete Mathematics and Probability Theory
January 2015 – May 2015 (current course)
Will cover logic, induction, polynomials, and probability concepts like sample spaces, random variables and law of large numbers

Skills:

Python, HTML/CSS, JavaScript, jQuery, Bootstrap, Django, Java
Mac OS, Windows, Linux/Unix
Multivariable Calculus, Linear Algebra, Differential Equations