

ANDY QIN

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EDUCATION

May 2016	UC BERKELEY B.A. Computer Science (Machine Learning) Certificate in Human-Centered Design Coursework: Machine Learning - <i>in progress</i> (CS 189), Artificial Intelligence (CS 188), Efficient Algorithms (CS 170), Algorithms and Data Structures (CS 61B), Linear Algebra (Math 54)	GPA: 3.45 / 4.00	Berkeley, CA
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EXPERIENCE

May 2014 – Aug 2014	APPLE, INC. Software Engineer Intern <ul style="list-style-type: none">Built a data visualization tool for gathering third-party metrics in the OS X Server application.Learned Objective-C and Cocoa application programming best practices.Identified and fixed several bugs that shipped in the GM.For full story: www.andyq.in/#/apple	Cupertino, CA
Jun 2013 – Jul 2014	CODEPREP.ORG CEO, Co-Founder <ul style="list-style-type: none">CodePrep is a school aimed to teach middle school and high school students the fundamentals of computer science and practical web development in a beginner-friendly environment.Designed and built the website at www.codeprep.org using Flask, HTML, CSS, and JavaScript.For full story: www.andyq.in/#/codeprep	Los Angeles, CA
Dec 2013 – May 2014	CENTER FOR ENTREPRENEURSHIP & TECHNOLOGY Front End Engineer Intern <ul style="list-style-type: none">Maintained the Virtual CET platform, a “mini-Linkedin” for Berkeley student entrepreneurs and faculty.Wrote the “Company Profile” feature, enabling users to beautifully display their companies and funding needs.Used HTML, CSS, JavaScript, and Django.	Berkeley, CA

LEADERSHIP

Nov 2013 – Present	CS198: WEB DESIGN DECAL (CLASS) Instructor <ul style="list-style-type: none">The Web Design DeCal is a student-taught class in web design, and teaches students of all backgrounds how to create beautiful webpages using HTML, CSS, and JavaScript. (www.wdd.io)Responsibilities include selecting 100 students from 900+ applicants, delivering lectures, and grading assignments.Spearheaded live webcasting of all of our lecture content on YouTube, with the vision that anyone with an Internet connection can attend class. (live.wdd.io)For full story: www.andyq.in/#/wdd	Berkeley, CA
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PROJECTS

- MNIST DIGIT CLASSIFIER:** Implemented a machine learning model based on k-nearest neighbors in Python to classify handwritten digits from the MNIST dataset.
- MAPREDUCING FIFTEEN PUZZLE:** Used the Spark API to strongly solve the generalized Fifteen puzzle. To keep running times low, utilized lazy evaluation and partitioning data to reducing locally to save time.
- DNA RECOMBINATION ALGORITHM:** Wrote a Python program that takes overlapping substrings of a DNA strand and recombines them to form the original DNA superstring.
- JUMPING CUBES:** Wrote game logic in Java for a CLI board game and an AI player that can find forced wins 4 moves ahead.
- PERSONAL WEBSITE:** A mobile-responsive, single page application built with AngularJS. www.andyq.in

SKILLS AND INTERESTS

- TECHNICAL SKILLS:** Python, Java, Objective-C, D3.js, Web Development (HTML, CSS, jQuery, AngularJS)
- INTERESTS:** Virtual Reality, Science Fiction, Pedagogy, Adventures, Running, Basketball