ANDY QIN

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EDUCATION

May 2016	**UC BERKELEY**	**Major GPA: 3.5 / 4.0**	Berkeley, CA
	B.A, Computer Science (Graphics)	Overall GPA: 3.6 / 4.0	

Certificate in Human-Centered Design
Coursework: Efficient Algorithms (CS 170), Artificial Intelligence (CS 188),
Algorithms and Data Structures (CS 61B), Computer Architectures (CS 61C), Linear Algebra (Math 54)

EXPERIENCE

May 2014 – Aug 2014 **APPLE, INC.** Cupertino, CA
Software Engineer Intern

- 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.

Jun 2013 – Jul 2014 **CODEPREP.ORG** Los Angeles, CA
CEO, Co-Founder

- 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.
- As CEO, promoted the class online and door-to-door, filling the class in the first week of launch.
- Designed and built the website at www.codeprep.org using Flask, HTML, CSS, and JavaScript.

Dec 2013 – May 2014 **CENTER FOR ENTREPRENEURSHIP & TECHNOLOGY** Berkeley, CA
Front End Engineer Intern

- 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 Django, HTML, CSS, and JavaScript.

LEADERSHIP

Nov 2013 – Present **CS198: WEB DESIGN DECAL (CLASS)** Berkeley, CA
Instructor

- 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)
- As Instructor, I perform my due diligence in 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)

Sep 2012 – Present **STUDENT ADVISORY COUNCIL ON UNDERGRADUATE EDUCATION** Berkeley, CA
Student Representative

- 1 of 4 undergrads appointed to represent the undergraduate experience on a board of faculty administrators and student representatives.
- Met with UC Chancellor Nicholas Dirks in Jan. 2014 to discuss the state of computer science education at Berkeley and in U.S. high schools.

PROJECTS

- **ASTEROIDS FOR MAC OS X:** Reincarnated the classic computer game 'Asteroids' as a Mac application to practice Cocoa Programming.
- **JUMPING CUBES:** Wrote game logic in Java for a CLI board game and an AI player that can find forced wins 4 moves ahead.
- **TEXT-ONLY GOOGLE MAPS:** Architected a graph API and trip finder client for mapping a subset of California. Implemented the A* algorithm to find shortest path between two locations.

SKILLS AND INTERESTS

- **TECHNICAL SKILLS:** Python, Java, C, Objective-C, D3.js, Web Development (JavaScript, HTML, CSS, Django)
- **INTERESTS:** Virtual Reality, Science Fiction, Pedagogy, Running, Basketball, College Football